

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U071018\
 Data File : VU025297.D
 Acq On : 10 Jul 2018 18:31
 Operator : MD/SY
 Sample : J3898-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW004-180704

Quant Time: Jul 11 02:04:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	213699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	318485	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	297984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	165051	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	162795	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
35) Dibromofluoromethane	4.89	113	125712	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	
50) Toluene-d8	7.57	98	469079	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	10.31	95	173297	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	865	0.95	ug/l #	87
4) Vinyl Chloride	1.41	62	581	0.24	ug/l #	83
5) Bromomethane	1.63	94	500	Below Cal		91
6) Chloroethane	1.69	64	222	0.43	ug/l #	43
10) Methyl Iodide	2.40	142	44	7.72	ug/l #	1
11) Tert butyl alcohol	2.82	59	2916	4.03	ug/l #	73
13) Acrolein	2.18	56	149	0.31	ug/l #	1
14) Allyl chloride	2.71	41	6450	1.64	ug/l #	56
16) Acetone	2.32	43	2710	6.44	ug/l #	89
17) Carbon Disulfide	2.49	76	1008	2.08	ug/l #	74
18) Methyl Acetate	2.71	43	14861	4.37	ug/l #	52
20) Methylene Chloride	2.71	84	66	0.72	ug/l #	36
25) 2-Butanone	4.22	43	2617	1.14	ug/l #	49
31) Cyclohexane	4.99	56	7253	2.45	ug/l #	47
36) 1,1-Dichloropropene	4.99	75	15140	4.28	ug/l #	50
37) Ethyl Acetate	4.22	43	2617	0.66	ug/l #	76
38) Carbon Tetrachloride	4.99	117	19524	5.12	ug/l #	16
39) Methylcyclohexane	6.40	83	23837	5.40	ug/l #	35
40) Benzene	5.40	78	2945	0.29	ug/l #	90
41) Methacrylonitrile	4.74	41	3000	1.37	ug/l #	42
43) Isopropyl Acetate	5.54	43	54881	8.68	ug/l #	61
47) Bromodichloromethane	6.74	83	2952	0.82	ug/l #	75
48) Methyl methacrylate	6.59	41	18629	5.91	ug/l #	35
51) 4-Methyl-2-Pentanone	7.53	43	8043	1.96	ug/l #	78
52) Toluene	7.64	92	1505	0.23	ug/l	91
55) 1,1,2-Trichloroethane	8.05	97	22000	8.14	ug/l #	19
56) Ethyl methacrylate	8.05	69	4789	1.13	ug/l #	1
58) 2-Chloroethyl Vinyl ether	7.05	63	938	11.58	ug/l #	47
59) 2-Hexanone	8.33	43	5128	1.54	ug/l #	27
65) Chlorobenzene	9.12	112	208410	28.00	ug/l	100
73) Isopropylbenzene	10.17	105	40620	3.22	ug/l	100
74) N-amyl acetate	10.07	43	8561	2.88	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	10.50	83	8676	2.10	ug/l #	38
76) 1,2,3-Trichloropropane	10.31	75	91038	27.13	ug/l #	36

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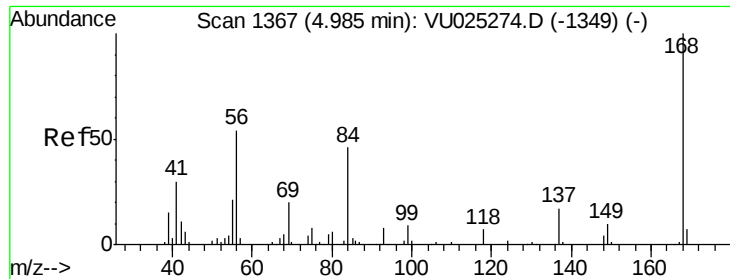
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

78) n-propylbenzene	10.59	91	6883	0.49	ug/l	94
79) 2-Chlorotoluene	10.50	91	2499	0.45	ug/l	82
80) 1,3,5-Trimethylbenzene	10.98	105	2349	0.22	ug/l	71
81) trans-1,4-Dichloro-2-buten	10.31	75	91038	69.23	ug/l #	100
82) 4-Chlorotoluene	10.50	91	2155	0.22	ug/l	81
83) tert-Butylbenzene	11.10	119	88629	8.27	ug/l	90
84) 1,2,4-Trimethylbenzene	11.33	105	239029	21.98	ug/l #	32
85) sec-Butylbenzene	11.33	105	239029	18.93	ug/l	96
86) p-Isopropyltoluene	11.69	119	319597	28.59	ug/l	97
87) 1,3-Dichlorobenzene	11.43	146	4564	0.77	ug/l	91
88) 1,4-Dichlorobenzene	11.51	146	9948	3.16	ug/l	96
89) n-Butylbenzene	11.87	91	12365	1.35	ug/l #	1
90) Hexachloroethane	12.26	117	121154	64.00	ug/l #	7
91) 1,2-Dichlorobenzene	11.88	146	3089	0.52	ug/l #	69
92) 1,2-Dibromo-3-Chloropropan	12.65	75	4873	4.87	ug/l #	1
93) 1,2,4-Trichlorobenzene	13.50	180	41	3.29	ug/l #	13
95) Naphthalene	13.73	128	7511	3.00	ug/l #	4
96) 1,2,3-Trichlorobenzene	14.00	180	94	2.55	ug/l #	75

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

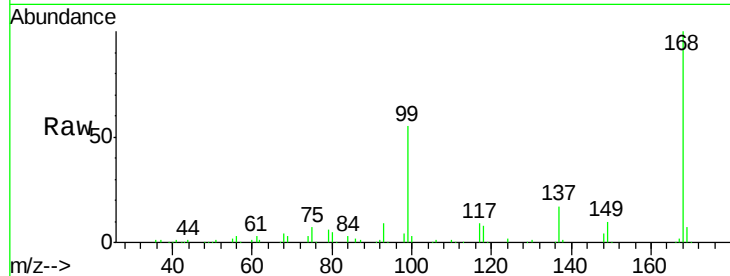
SS038MW004-180704

Tot Ion:168 Resp: 213699

Ion Ratio Lower Upper

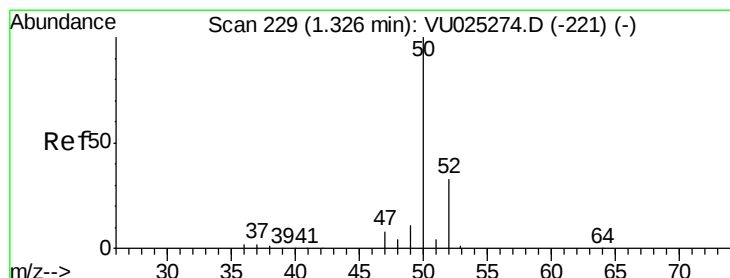
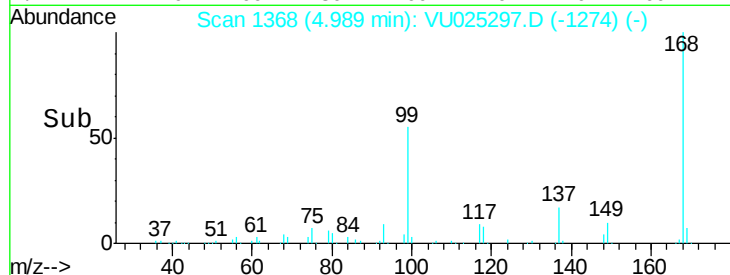
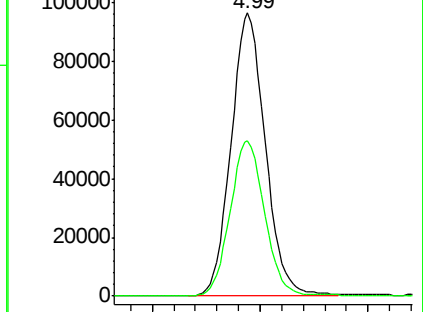
168 100

99 54.9 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025297.D (-1274) (-)

Ion 98.90 (98.60 to 99.60): VU025297.D (-1274) (-)



#3

Chloromethane

Concen: 0.95 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025297.D

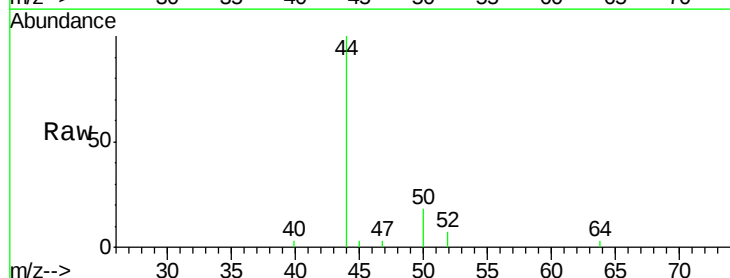
Acq: 10 Jul 2018 18:31

Tgt Ion: 50 Resp: 865

Ion Ratio Lower Upper

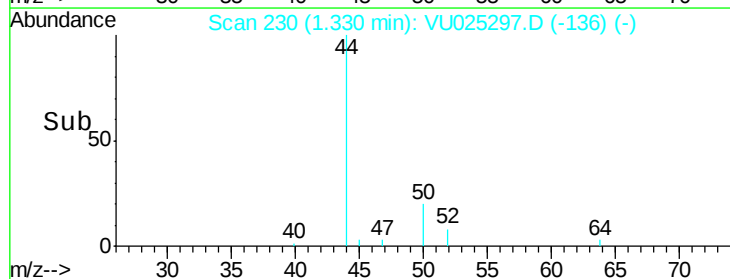
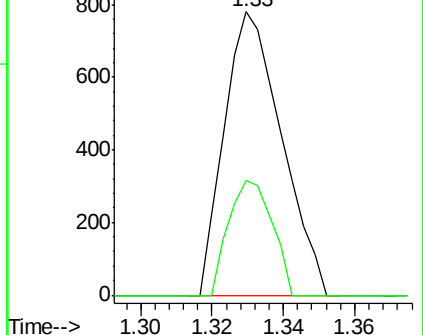
50 100

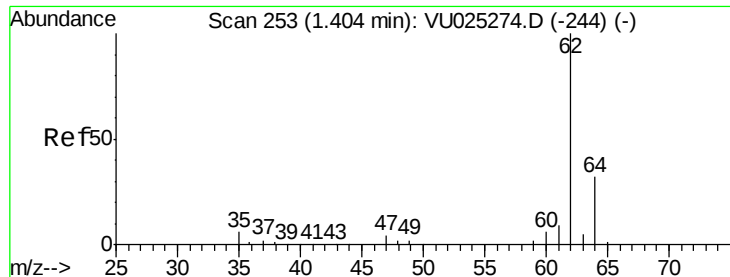
52 40.5 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VU025297.D (-136) (-)

Ion 51.90 (51.60 to 52.60): VU025297.D (-136) (-)





#4

Vinyl Chloride

Concen: 0.24 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

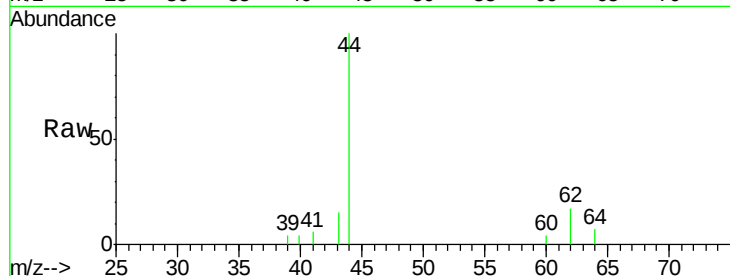
SS038MW004-180704

Tot Ion: 62 Resp: 581

Ion Ratio Lower Upper

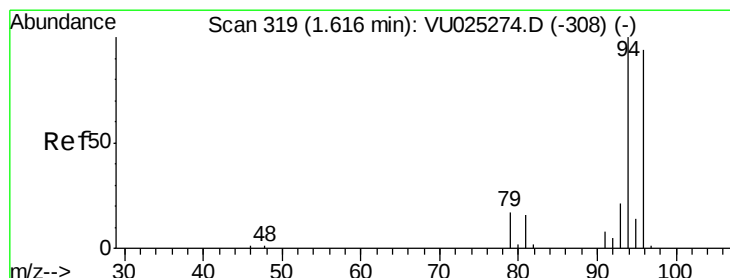
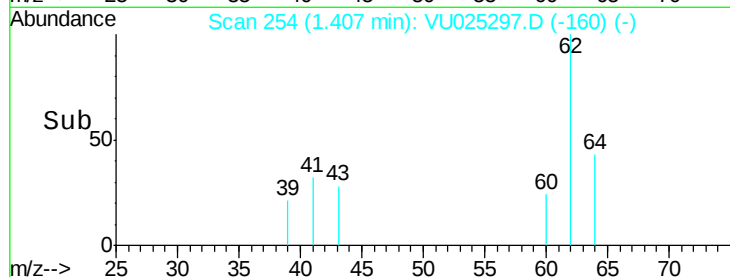
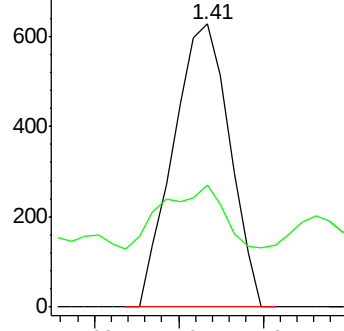
62 100

64 22.5 25.4 38.0#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 324

Delta R.T. 0.02 min

Lab File: VU025297.D

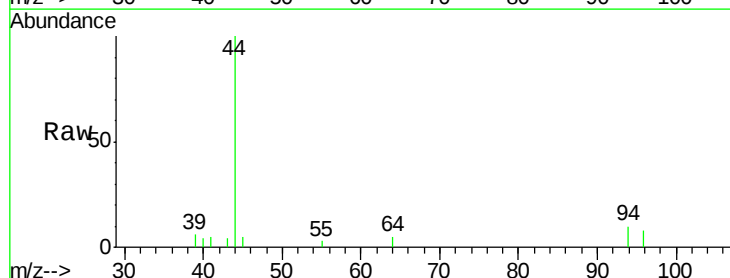
Acq: 10 Jul 2018 18:31

Tgt Ion: 94 Resp: 500

Ion Ratio Lower Upper

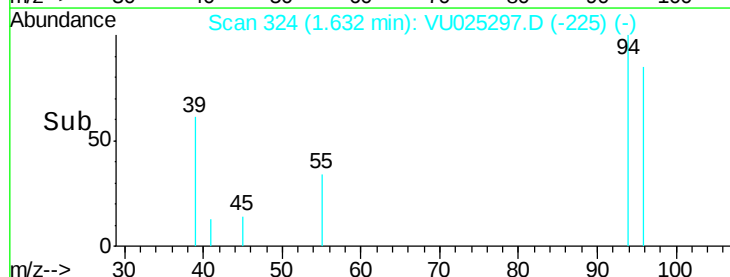
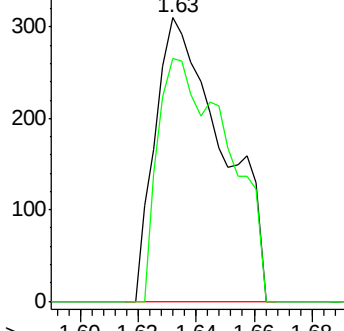
94 100

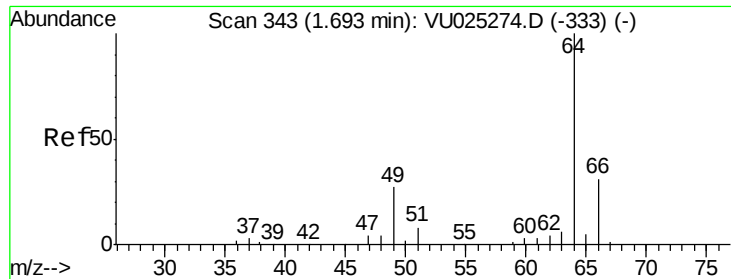
96 85.5 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#6

Chloroethane

Concen: 0.43 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

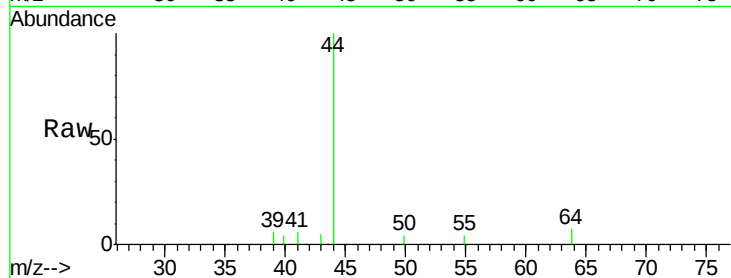
SS038MW004-180704

Tot Ion: 64 Resp: 222

Ion Ratio Lower Upper

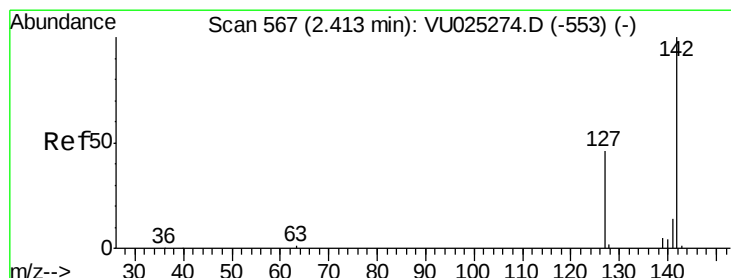
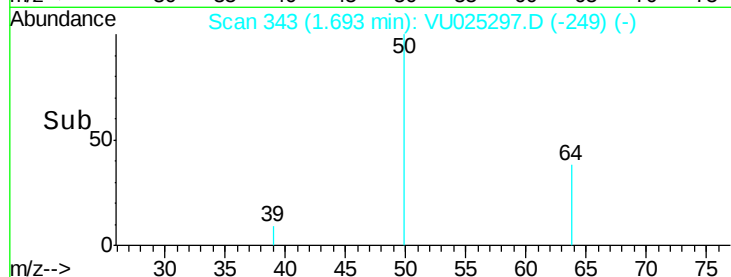
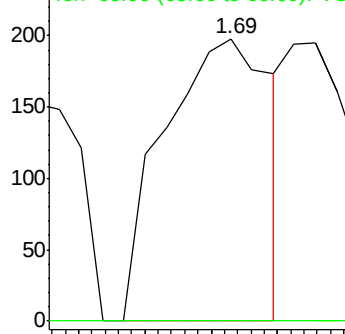
64 100

66 0.0 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



#10

Methyl Iodide

Concen: 7.72 ug/l

RT: 2.40 min Scan# 564

Delta R.T. -0.01 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

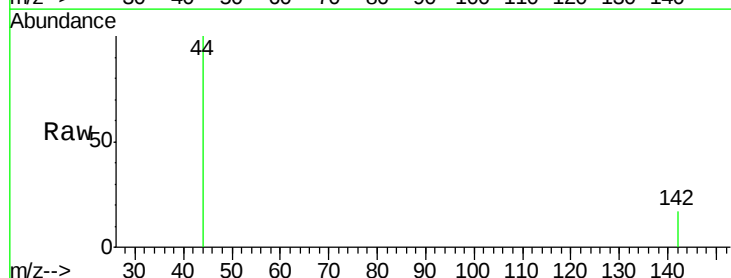
Tgt Ion: 142 Resp: 44

Ion Ratio Lower Upper

142 100

127 306.8 36.5 54.7#

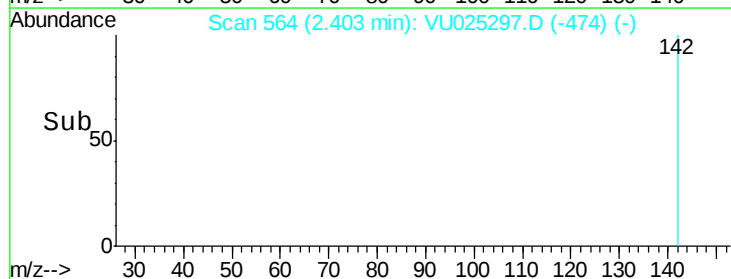
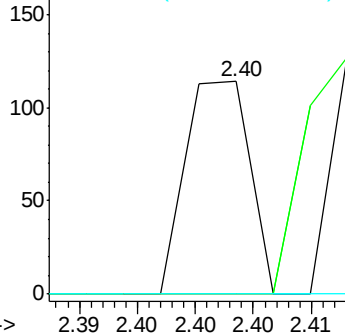
141 0.0 11.4 17.2#

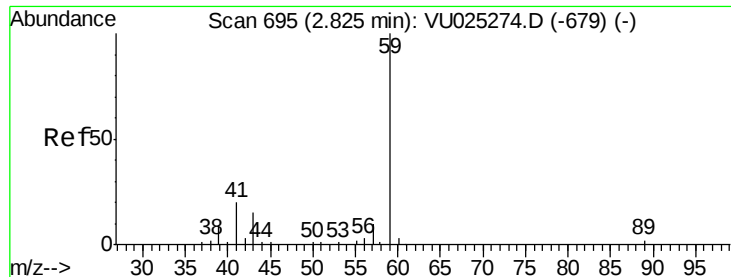


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



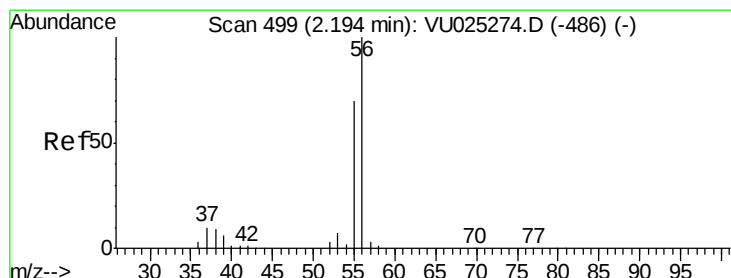
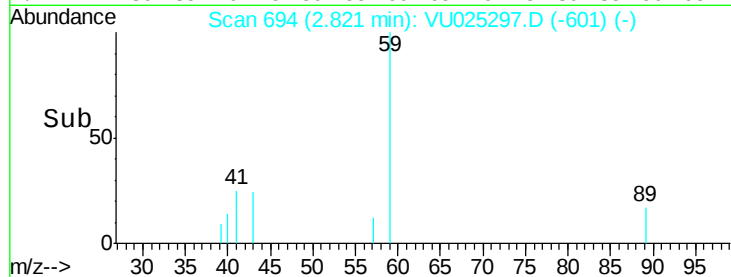
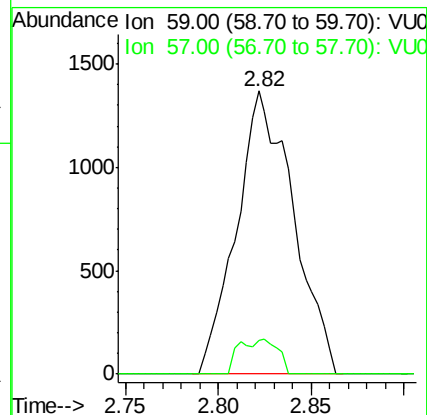
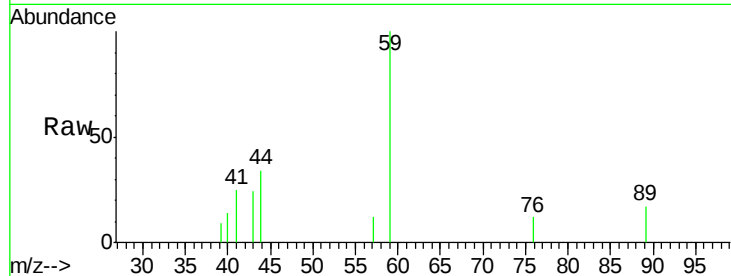


#11

Tert butyl alcohol
 Concen: 4.03 ug/l
 RT: 2.82 min Scan# 694
 Delta R.T. -0.00 min
 Lab File: VU025297.D
 Acq: 10 Jul 2018 18:31

Instrument :
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 ClientSampleId :
 SS038MW004-180704

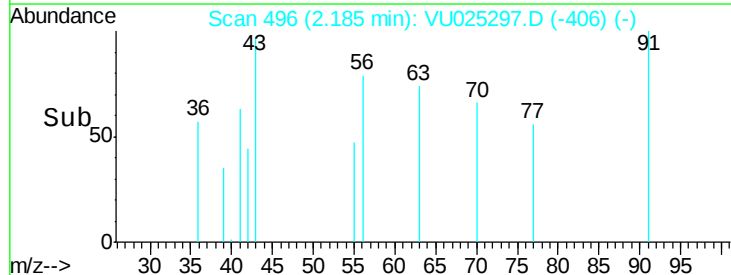
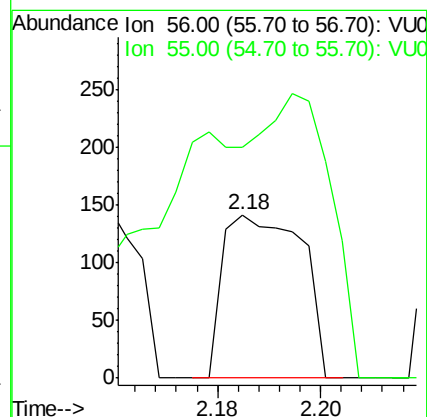
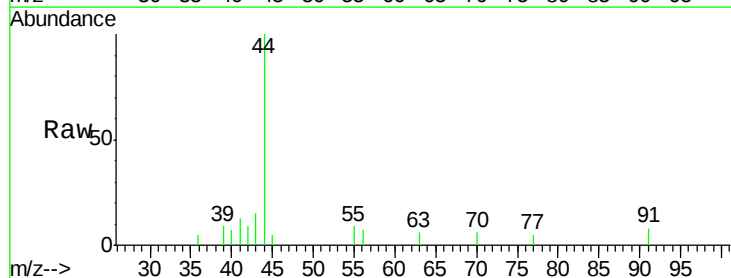
Tot Ion: 59 Resp: 2916
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

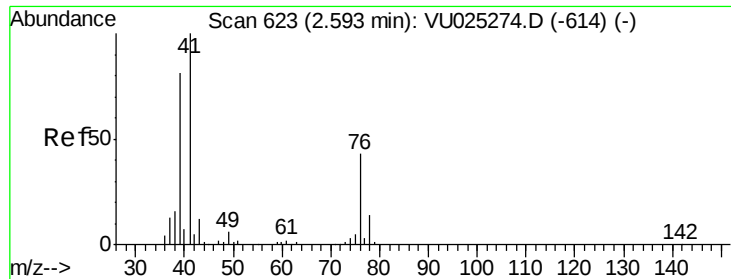


#13

Acrolein
 Concen: 0.31 ug/l
 RT: 2.18 min Scan# 496
 Delta R.T. -0.01 min
 Lab File: VU025297.D
 Acq: 10 Jul 2018 18:31

Tgt Ion: 56 Resp: 149
 Ion Ratio Lower Upper
 56 100
 55 189.9 57.2 85.8#

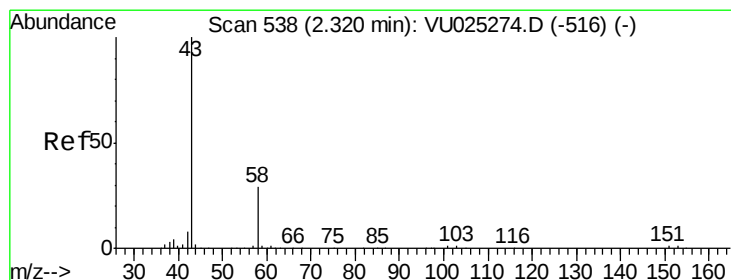
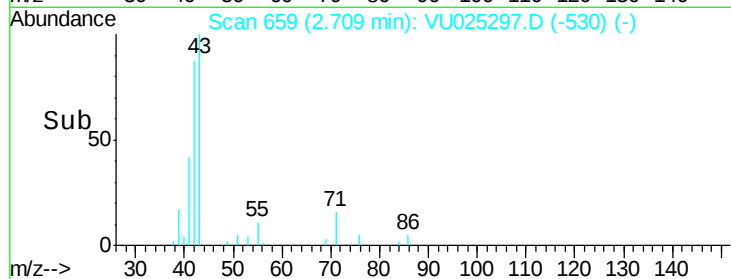
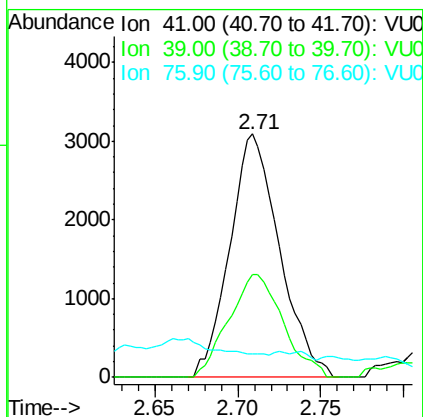
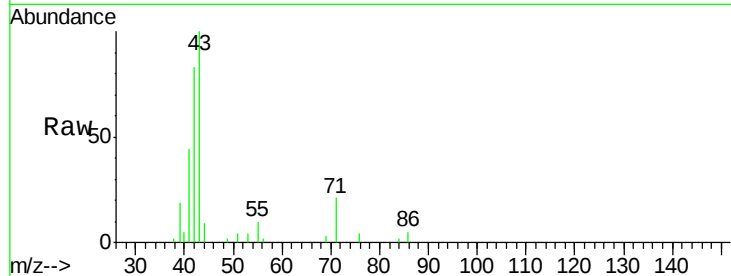




#14
Allvl chloride
Concen: 1.64 ug/l
RT: 2.71 min Scan# 659
Delta R.T. 0.12 min
Lab File: VU025297.D
Acq: 10 Jul 2018 18:31

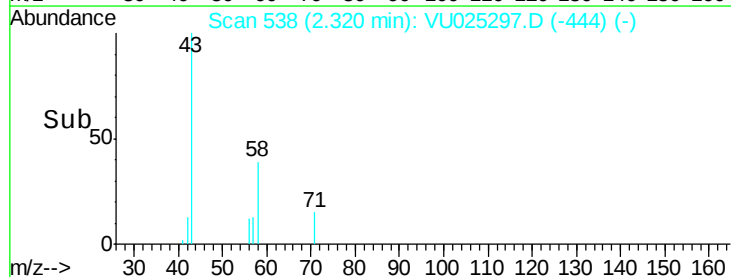
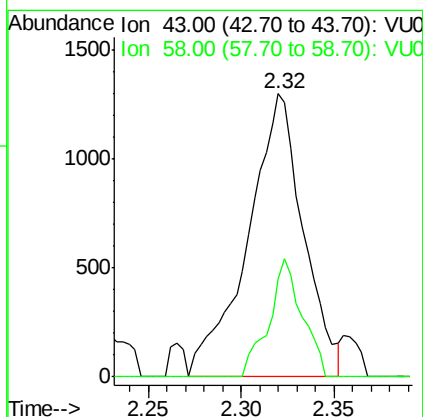
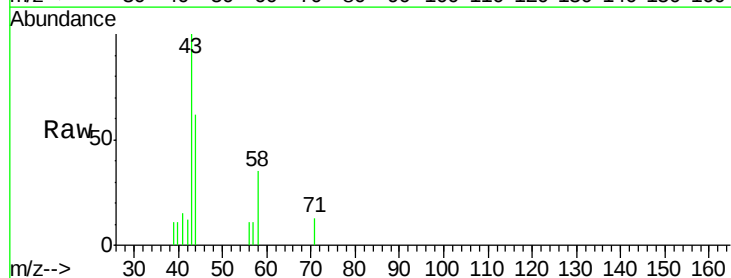
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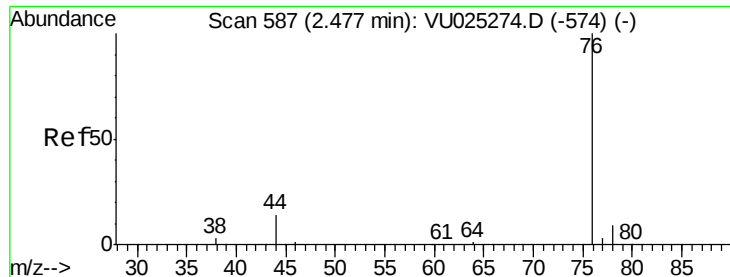
Tot Ion: 41 Resp: 6450
Ion Ratio Lower Upper
41 100
39 46.0 60.6 91.0#
76 0.0 30.5 45.7#



#16
Acetone
Concen: 6.44 ug/l
RT: 2.32 min Scan# 538
Delta R.T. 0.00 min
Lab File: VU025297.D
Acq: 10 Jul 2018 18:31

Tgt Ion: 43 Resp: 2710
Ion Ratio Lower Upper
43 100
58 34.8 23.1 34.7#





#17

Carbon Disulfide

Concen: 2.08 ug/l

RT: 2.49 min Scan# 590

Delta R.T. 0.01 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

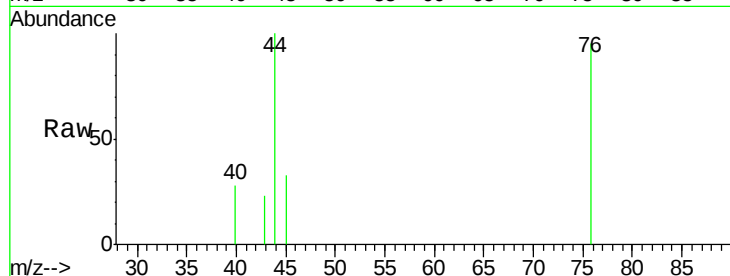
SS038MW004-180704

Tot Ion: 76 Resp: 1008

Ion Ratio Lower Upper

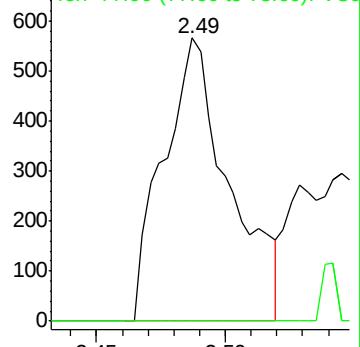
76 100

78 0.0 7.4 11.2#

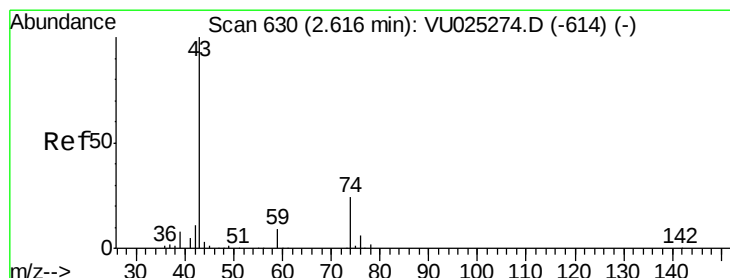
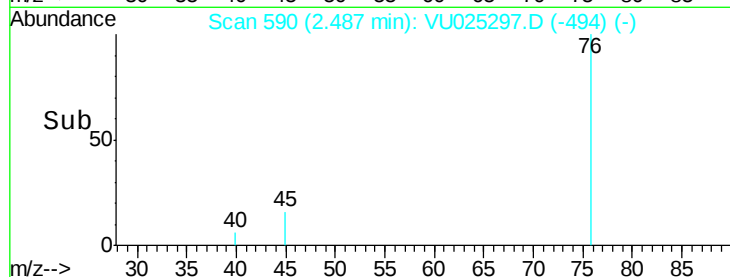


Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



Time-->



#18

Methyl Acetate

Concen: 4.37 ug/l

RT: 2.71 min Scan# 660

Delta R.T. 0.10 min

Lab File: VU025297.D

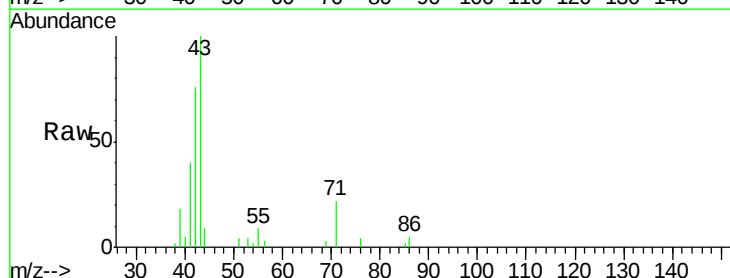
Acq: 10 Jul 2018 18:31

Tgt Ion: 43 Resp: 14861

Ion Ratio Lower Upper

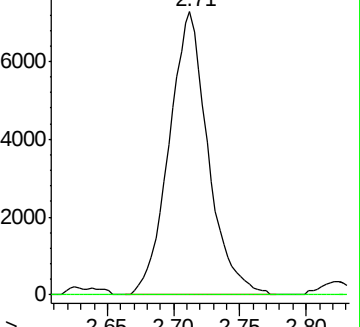
43 100

74 0.0 18.5 27.7#

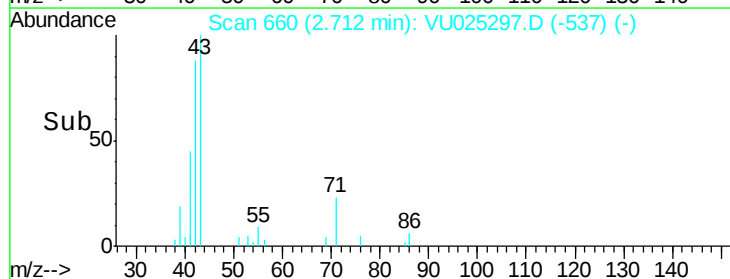


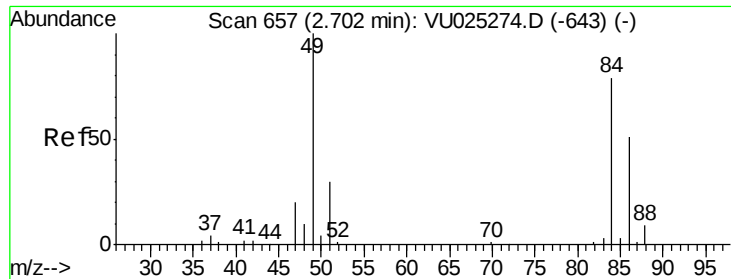
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



Time-->

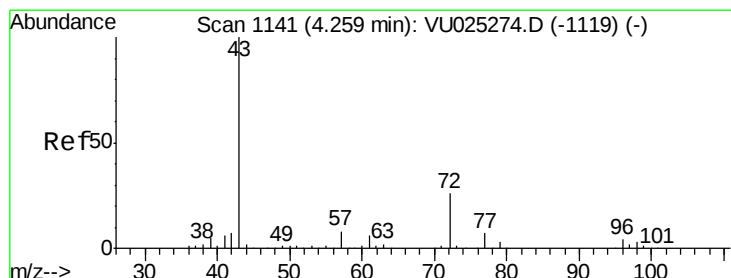
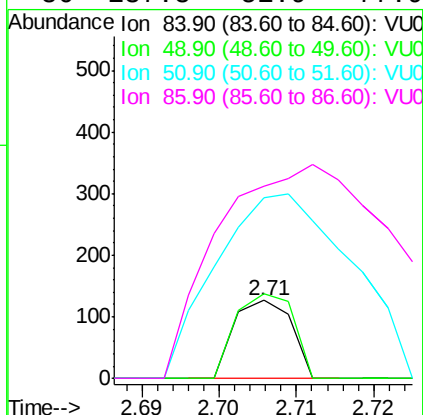
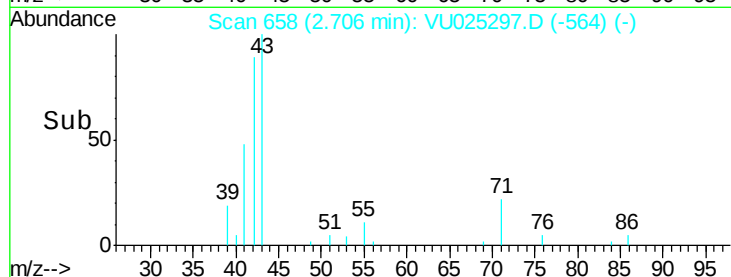
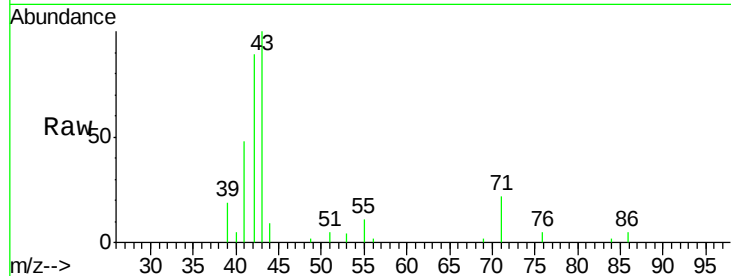




#20
Methvlene Chloride
Concen: 0.72 ug/l
RT: 2.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: VU025297.D
Acq: 10 Jul 2018 18:31

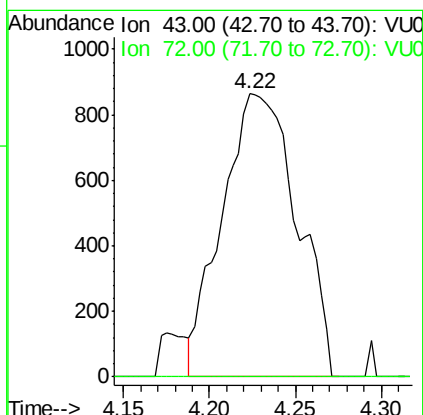
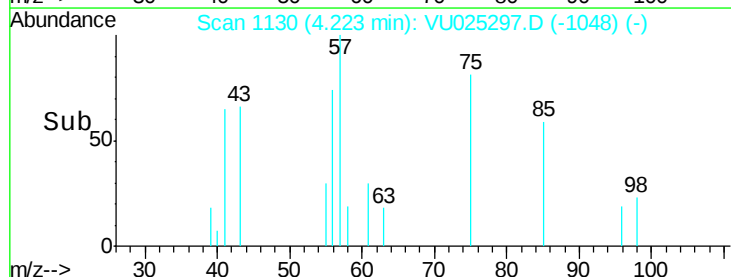
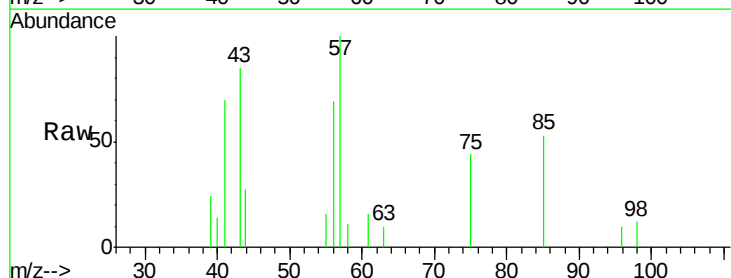
Instrument :
MSVOA_U
ClientSampleId :
SS038MW004-180704

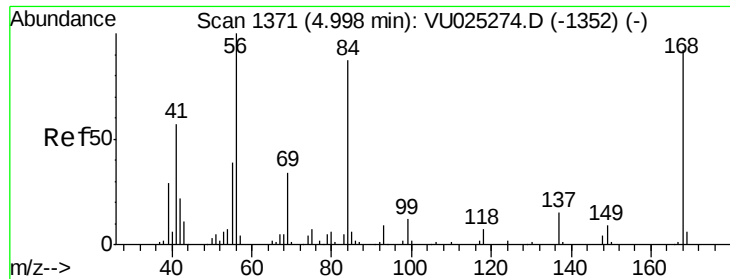
Tot Ion: 84 Resp: 66
Ion Ratio Lower Upper
84 100
49 107.9 101.8 152.6
51 144.1 30.8 46.2#
86 137.8 51.9 77.9#



#25
2-Butanone
Concen: 1.14 ug/l
RT: 4.22 min Scan# 1130
Delta R.T. -0.04 min
Lab File: VU025297.D
Acq: 10 Jul 2018 18:31

Tgt Ion: 43 Resp: 2617
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#

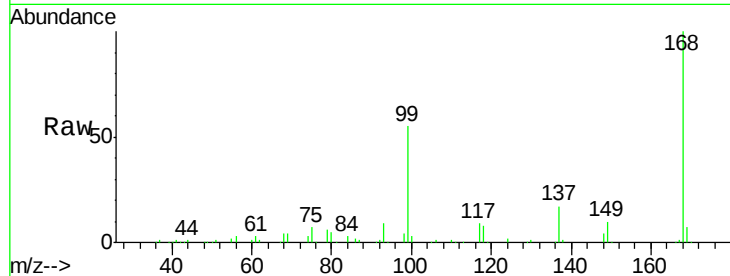




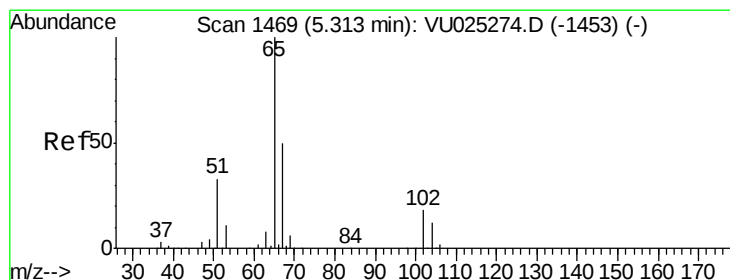
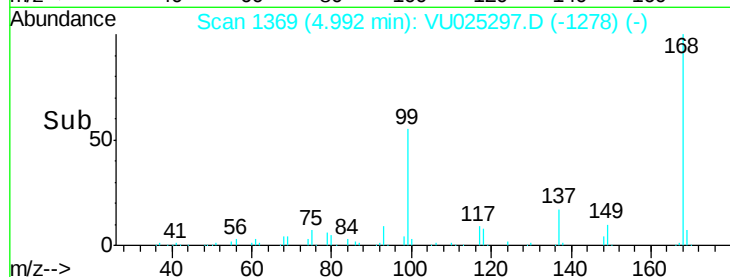
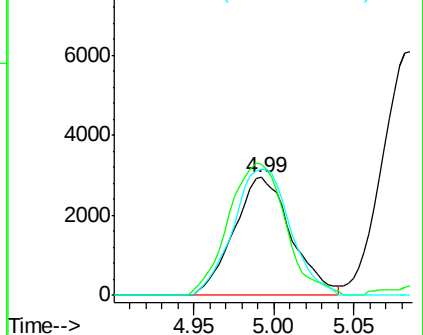
#31
Cyclohexane
Concen: 2.45 ug/l
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU025297.D
Acq: 10 Jul 2018 18:31

Instrument :
MSVOA_U
ClientSampleId :
SS038MW004-180704

Tot Ion: 56 Resp: 7253
Ion Ratio Lower Upper
56 100
69 111.4 26.8 40.2#
84 106.8 69.7 104.5#

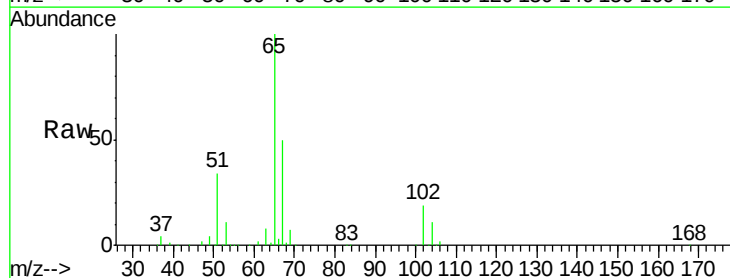


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

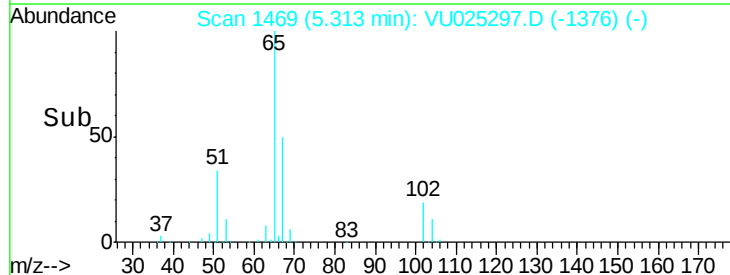
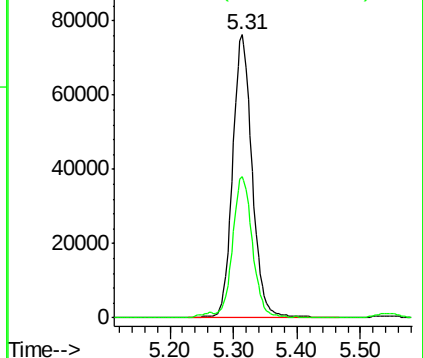


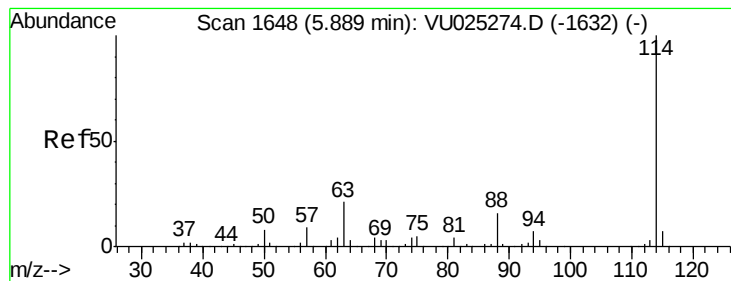
#33
1,2-Dichloroethane-d4
Concen: 49.03 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025297.D
Acq: 10 Jul 2018 18:31

Tgt Ion: 65 Resp: 162795
Ion Ratio Lower Upper
65 100
67 49.6 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

SS038MW004-180704

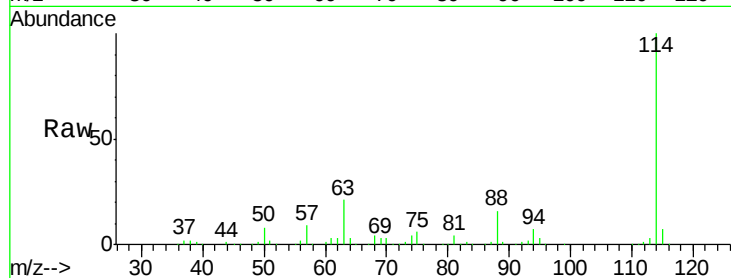
Tot Ion:114 Resp: 318485

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.6

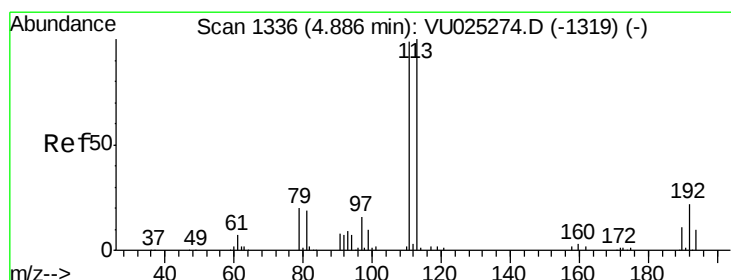
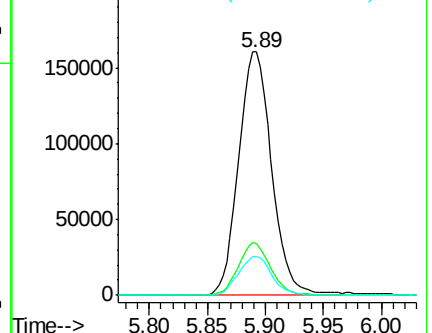
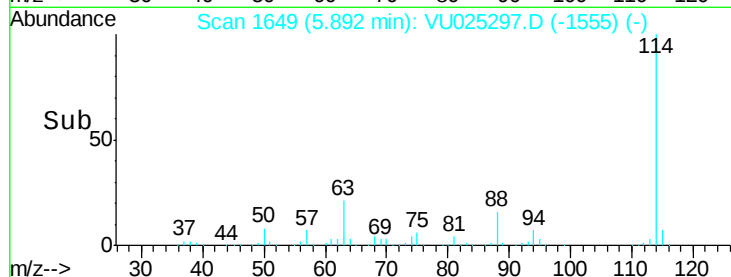
88 16.1 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 46.79 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

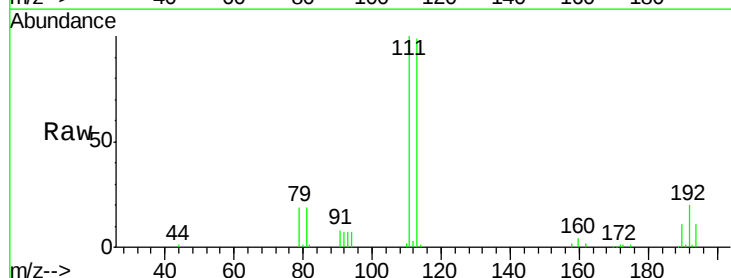
Tgt Ion:113 Resp: 125712

Ion Ratio Lower Upper

113 100

111 102.1 81.7 122.5

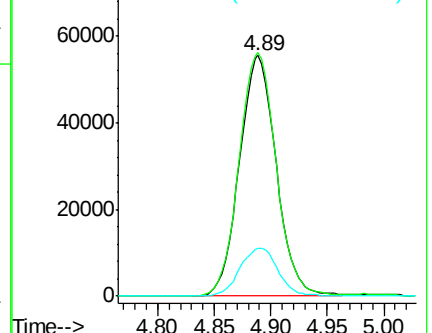
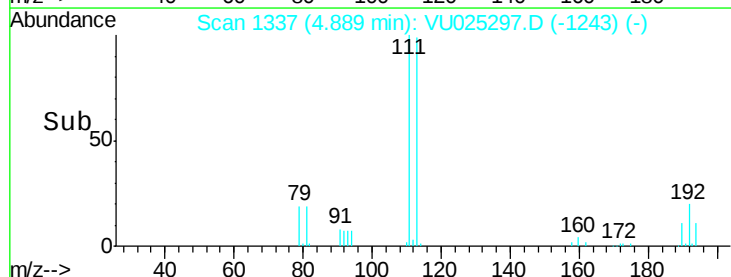
192 20.6 17.1 25.7

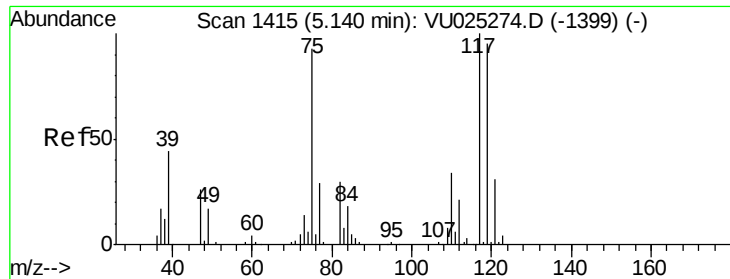


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

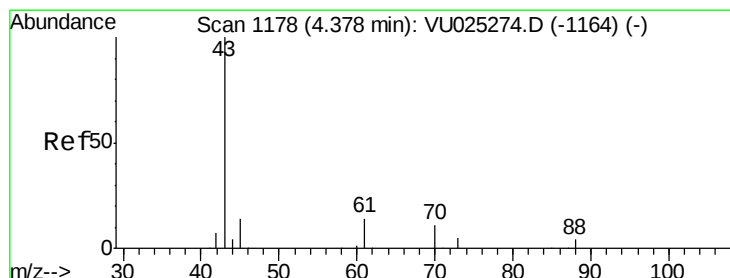
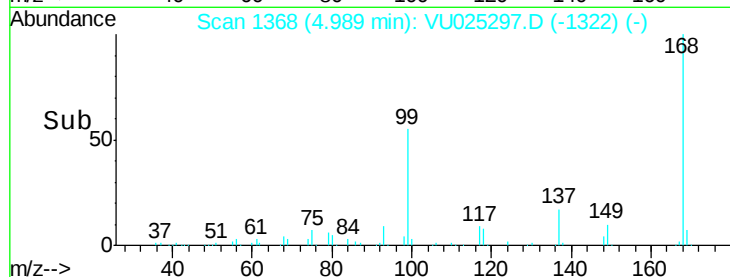
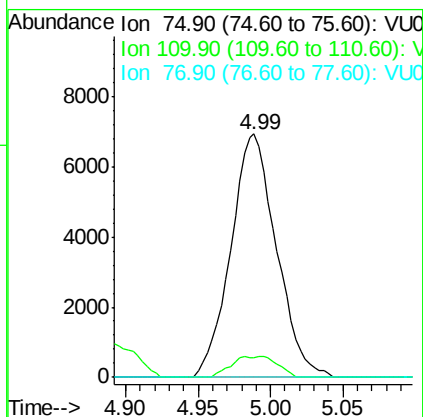
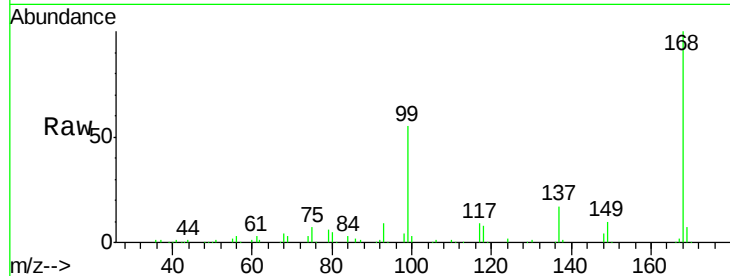




#36
 1,1-Dichloropropene
 Concen: 4.28 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025297.D
 Acq: 10 Jul 2018 18:31

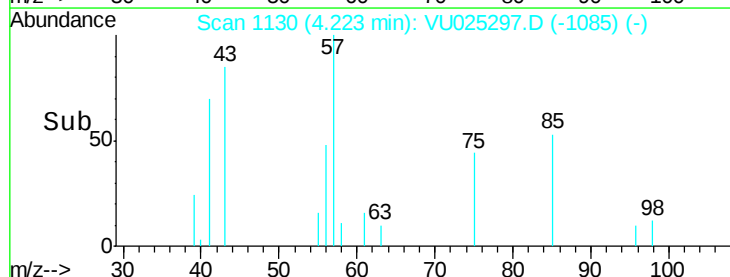
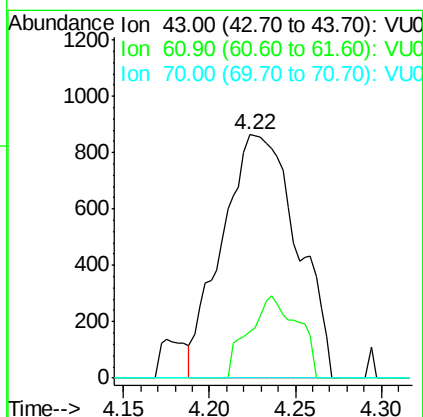
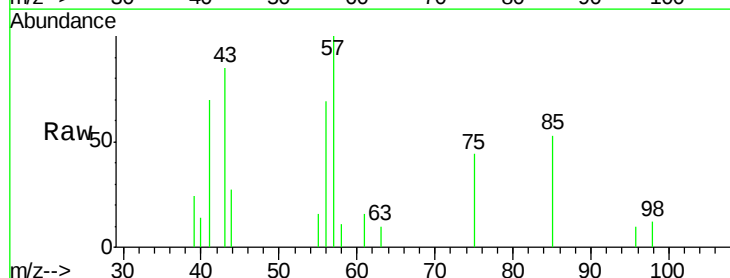
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW004-180704

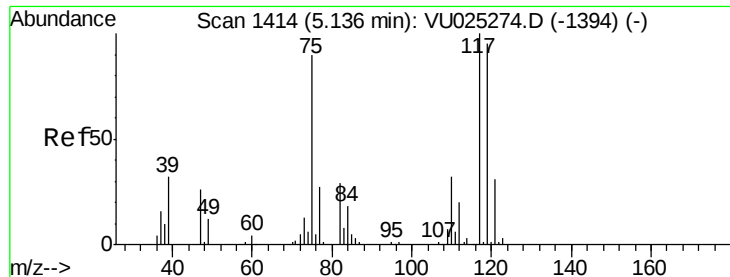
Tot Ion	75	Resp	15140
Ion Ratio	100	Lower	Upper
75	100		
110	8.7	17.6	52.9#
77	0.0	24.4	36.6#



#37
 Ethyl Acetate
 Concen: 0.66 ug/l
 RT: 4.22 min Scan# 1130
 Delta R.T. -0.15 min
 Lab File: VU025297.D
 Acq: 10 Jul 2018 18:31

Tgt Ion	43	Resp	2617
Ion Ratio	100	Lower	Upper
43	100		
61	21.9	10.7	16.1#
70	0.0	8.4	12.6#





#38

Carbon Tetrachloride

Concen: 5.12 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

SS038MW004-180704

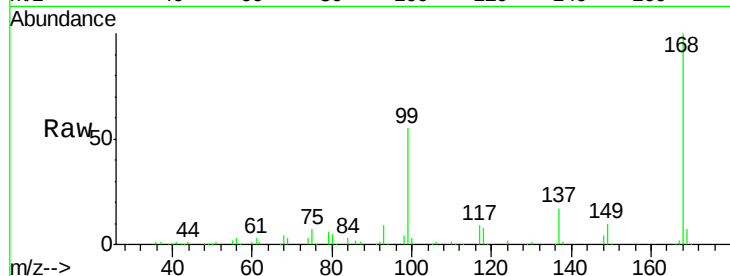
Tot Ion:117 Resp: 19524

Ion Ratio Lower Upper

117 100

119 4.1 75.7 113.5#

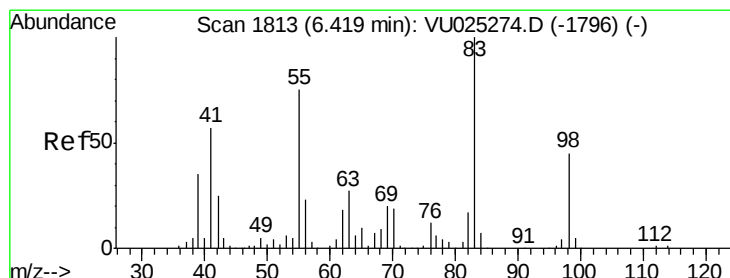
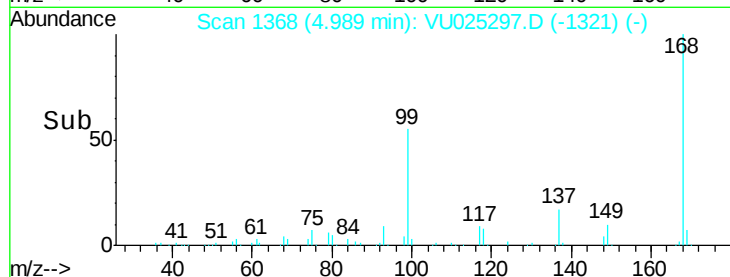
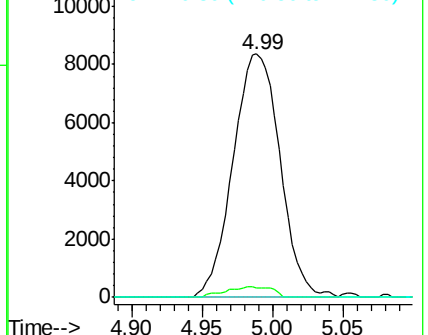
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 5.40 ug/l

RT: 6.40 min Scan# 1807

Delta R.T. -0.02 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

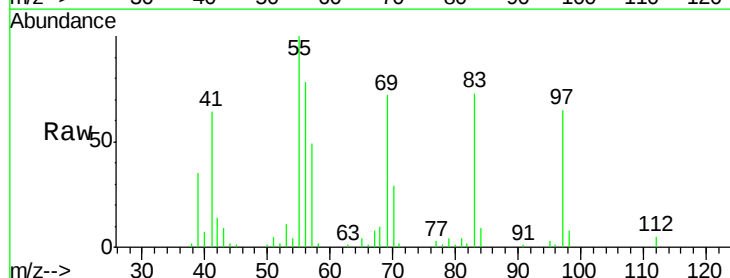
Tgt Ion: 83 Resp: 23837

Ion Ratio Lower Upper

83 100

55 136.6 60.0 90.0#

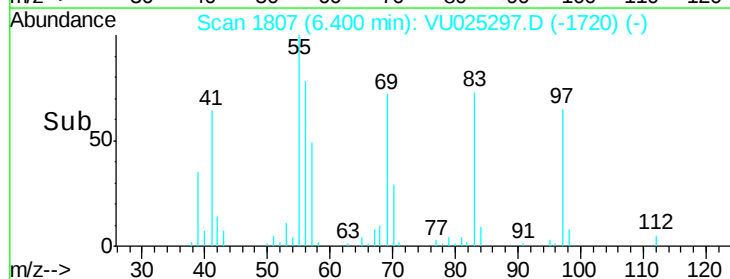
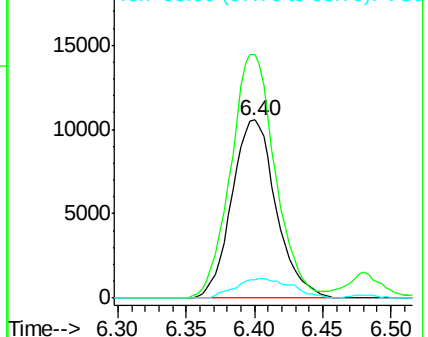
98 10.4 36.1 54.1#

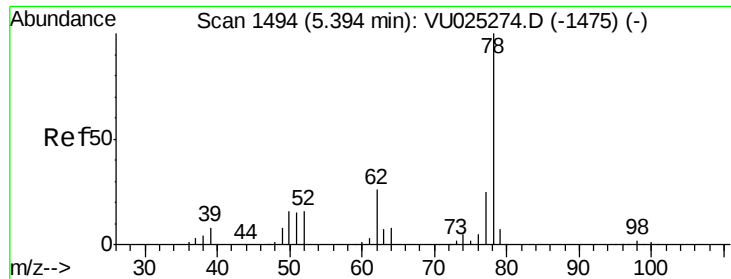


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

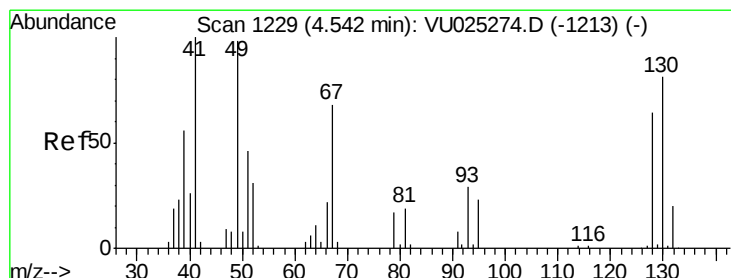
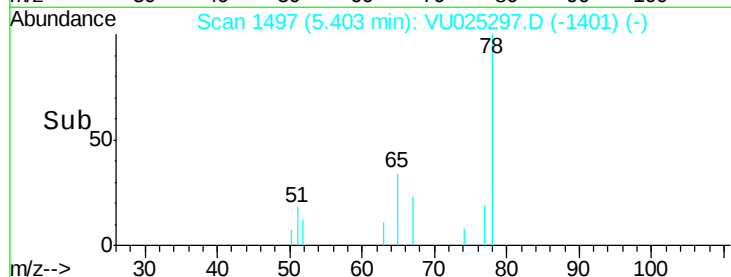
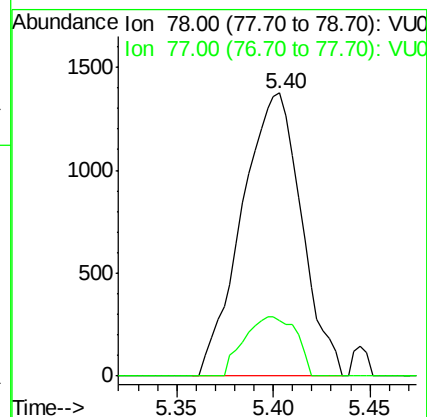
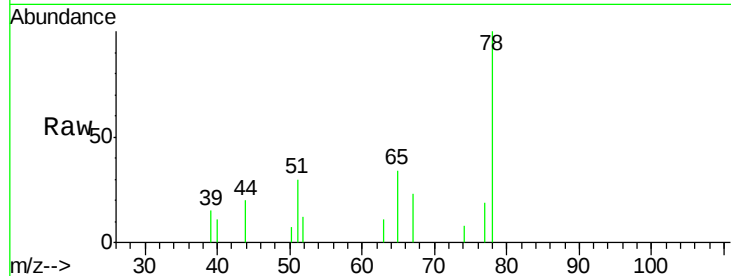




#40
Benzene
Concen: 0.29 ug/l
RT: 5.40 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VU025297.D
Acq: 10 Jul 2018 18:31

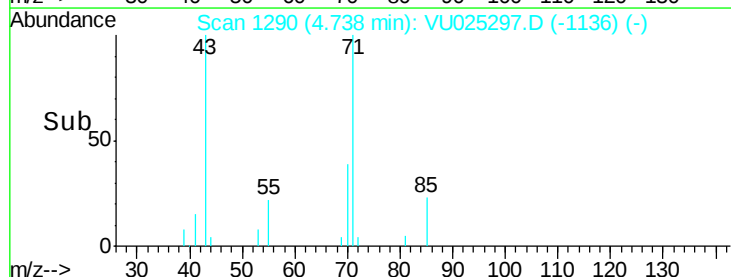
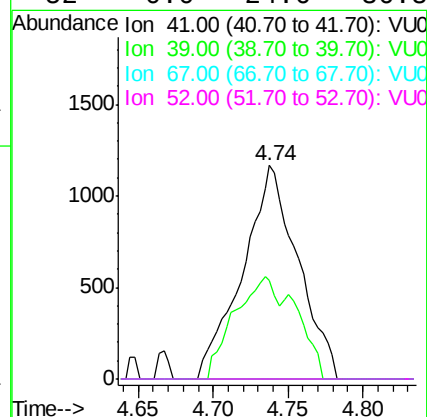
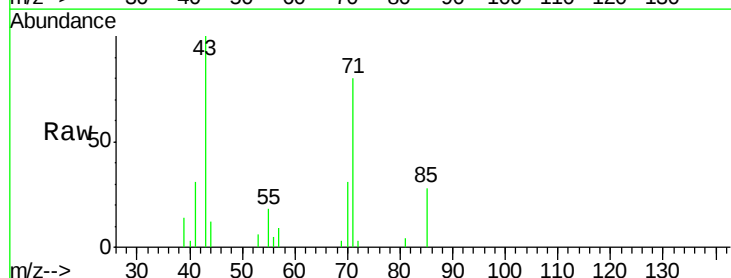
Instrument :
MSVOA_U
ClientSampleId :
SS038MW004-180704

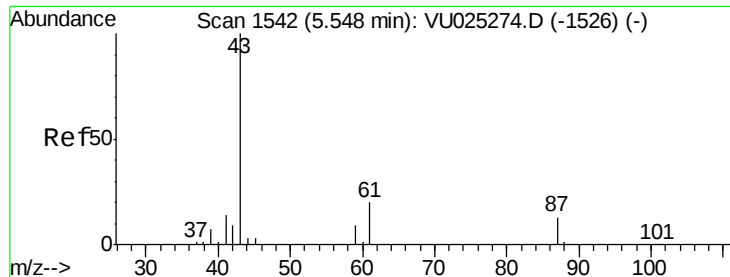
Tot Ion: 78 Resp: 2945
Ion Ratio Lower Upper
78 100
77 19.5 19.8 29.6#



#41
Methacrylonitrile
Concen: 1.37 ug/l
RT: 4.74 min Scan# 1290
Delta R.T. 0.20 min
Lab File: VU025297.D
Acq: 10 Jul 2018 18:31

Tgt Ion: 41 Resp: 3000
Ion Ratio Lower Upper
41 100
39 36.8 44.4 66.6#
67 0.0 56.0 84.0#
52 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 8.68 ug/l

RT: 5.54 min Scan# 1540

Delta R.T. -0.01 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

SS038MW004-180704

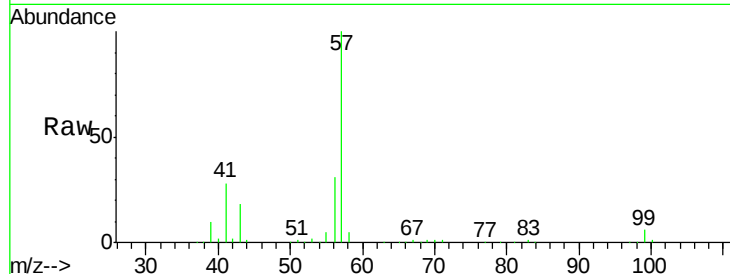
Tot Ion: 43 Resp: 54881

Ion Ratio Lower Upper

43 100

61 0.0 15.5 23.3#

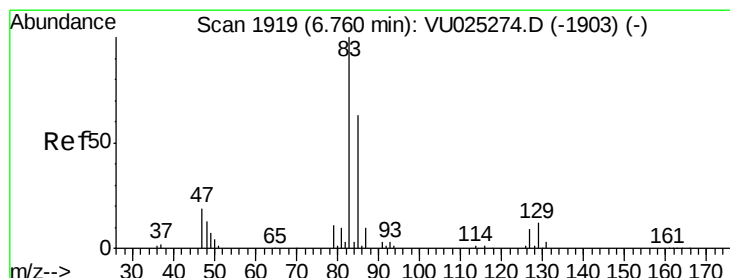
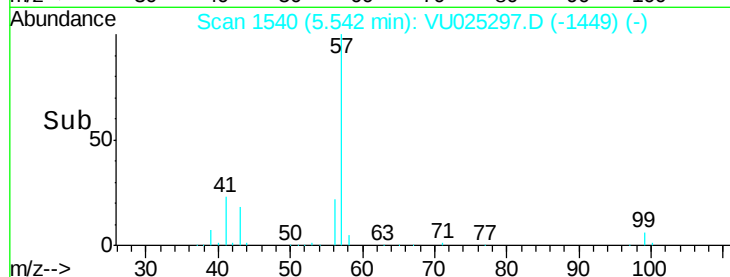
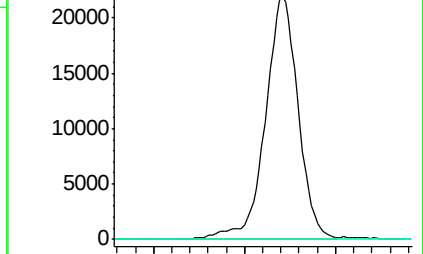
87 0.0 10.6 16.0#



Abundance Ion 43.00 (42.70 to 43.70): VU025297.D (-1449) (-)

Ion 61.00 (60.70 to 61.70): VU025297.D (-1449) (-)

Ion 87.00 (86.70 to 87.70): VU025297.D (-1449) (-)



#47

Bromodichloromethane

Concen: 0.82 ug/l

RT: 6.74 min Scan# 1914

Delta R.T. -0.02 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

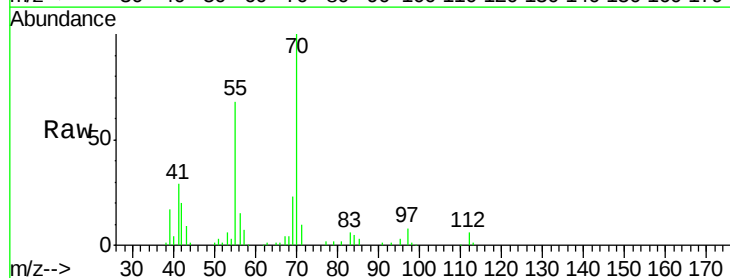
Tgt Ion: 83 Resp: 2952

Ion Ratio Lower Upper

83 100

85 43.6 50.2 75.4#

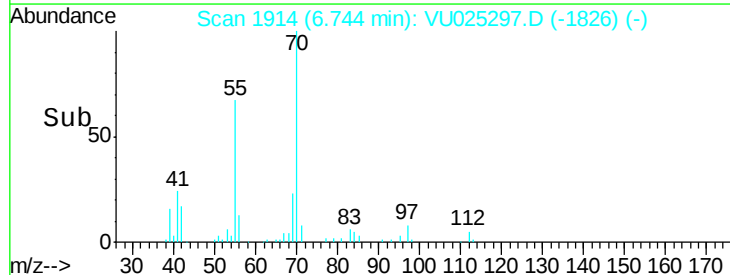
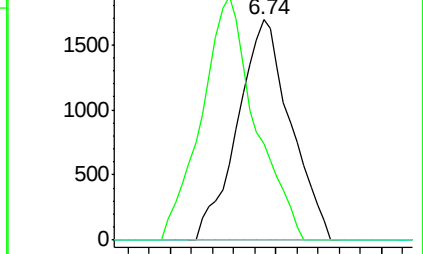
127 0.0 7.2 10.8#

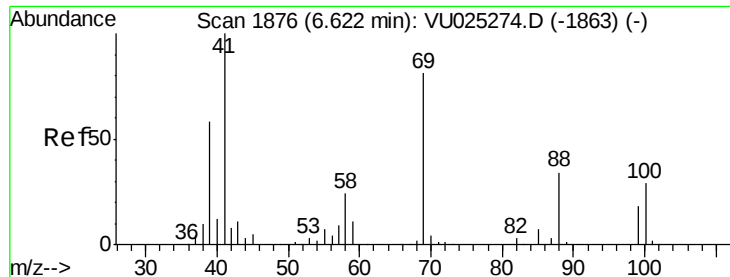


Abundance Ion 82.90 (82.60 to 83.60): VU025297.D (-1826) (-)

Ion 84.90 (84.60 to 85.60): VU025297.D (-1826) (-)

Ion 126.80 (126.50 to 127.50): VU025297.D (-1826) (-)

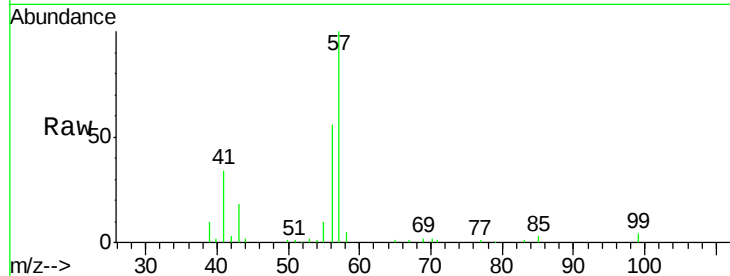




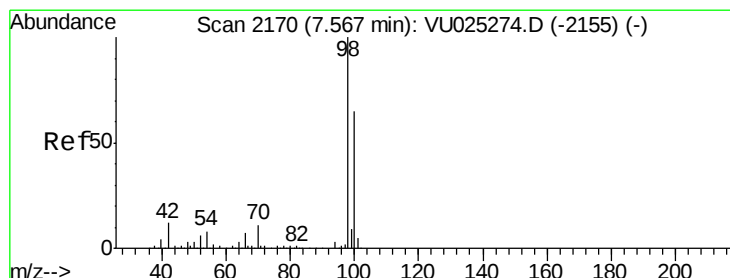
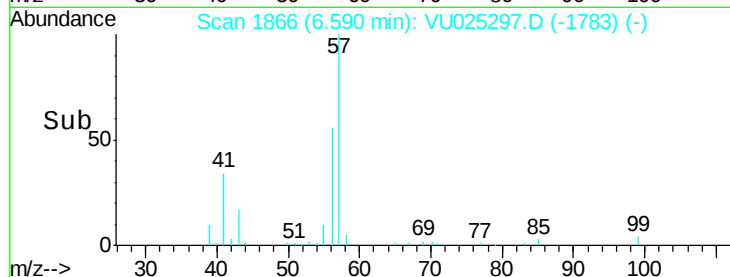
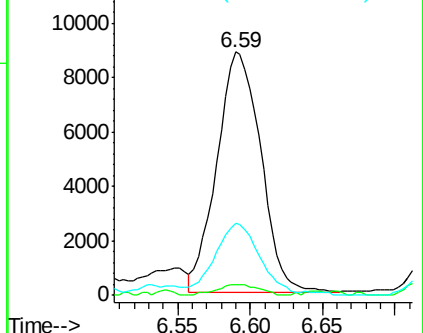
#48
Methyl methacrylate
Concen: 5.91 ug/l
RT: 6.59 min Scan# 1866
Delta R.T. -0.03 min
Lab File: VU025297.D
Acq: 10 Jul 2018 18:31

Instrument :
MSVOA_U
ClientSampleId :
SS038MW004-180704

Tot Ion: 41 Resp: 18629
Ion Ratio Lower Upper
41 100
69 4.4 65.0 97.4#
39 31.5 46.4 69.6#

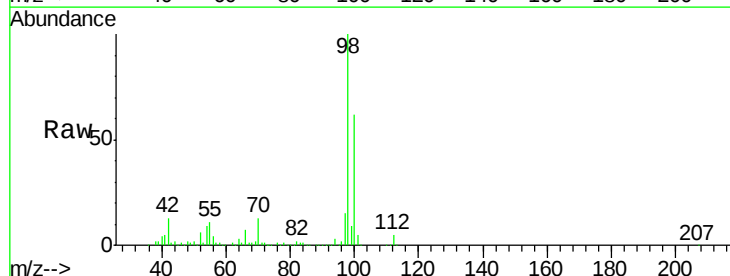


Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 39.00 (38.70 to 39.70): VU0

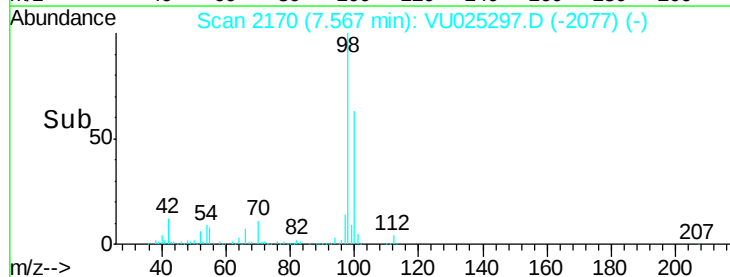
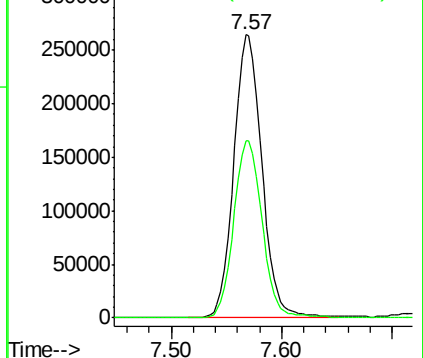


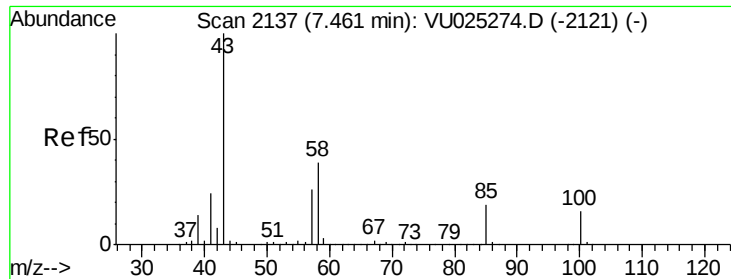
#50
Toluene-d8
Concen: 50.99 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VU025297.D
Acq: 10 Jul 2018 18:31

Tgt Ion: 98 Resp: 469079
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 1.96 ug/l

RT: 7.53 min Scan# 2158

Delta R.T. 0.07 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

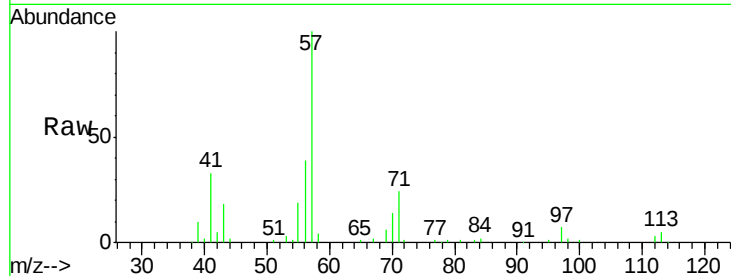
SS038MW004-180704

Tot Ion: 43 Resp: 8043

Ion Ratio Lower Upper

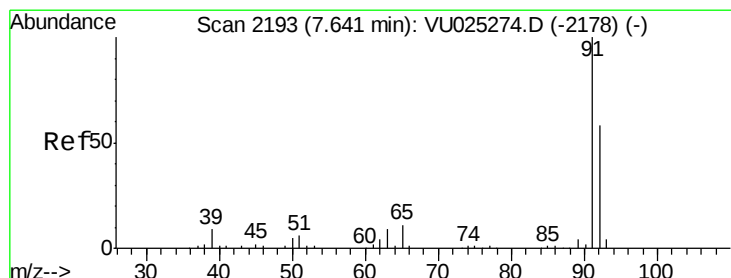
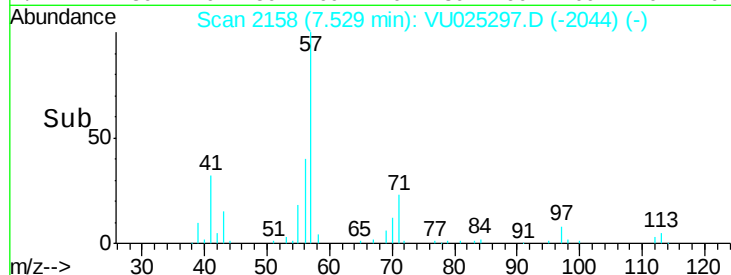
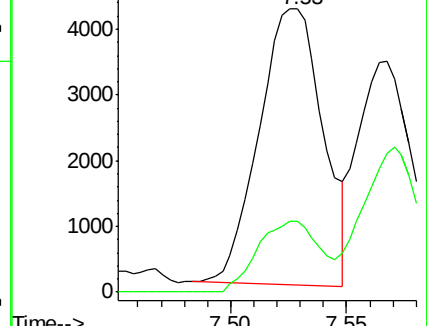
43 100

58 25.1 31.0 46.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 0.23 ug/l

RT: 7.64 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VU025297.D

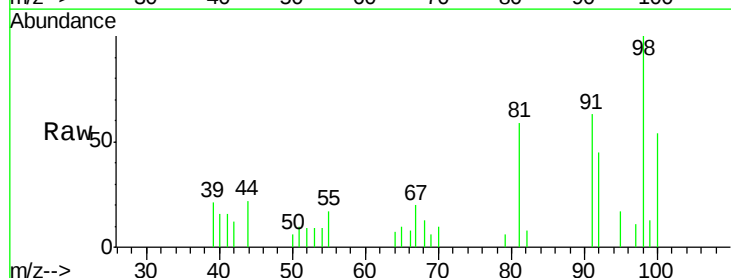
Acq: 10 Jul 2018 18:31

Tgt Ion: 92 Resp: 1505

Ion Ratio Lower Upper

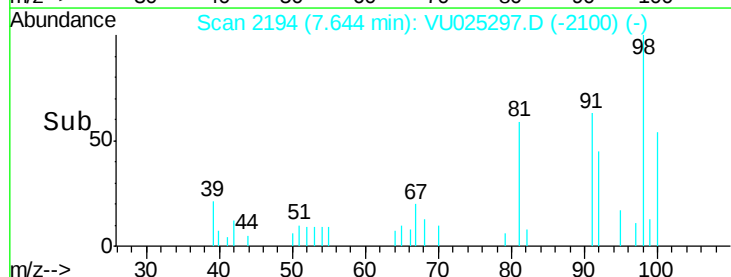
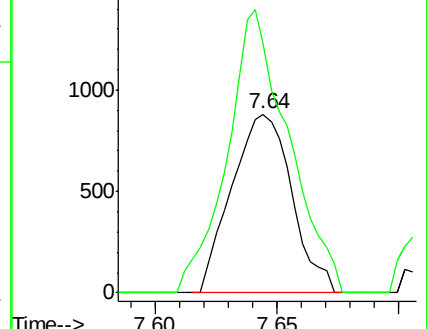
92 100

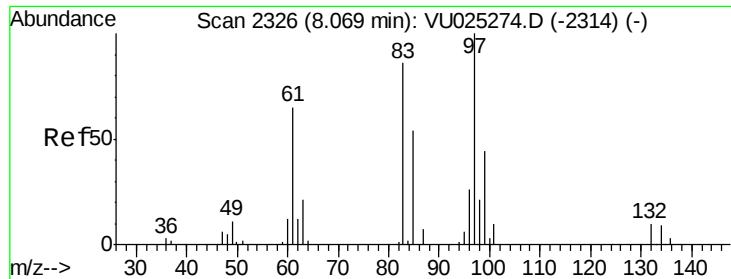
91 161.8 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

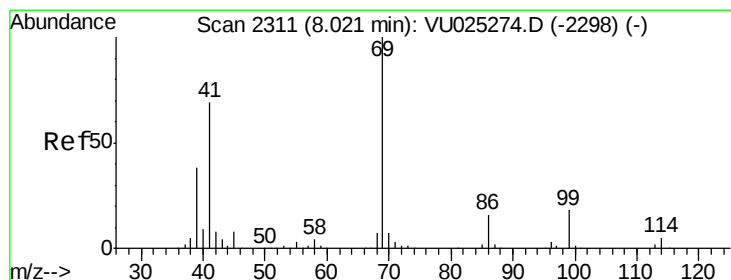
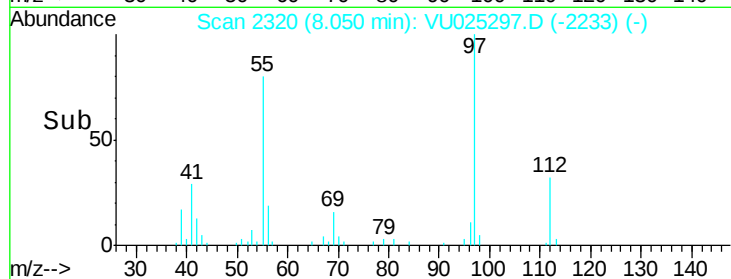
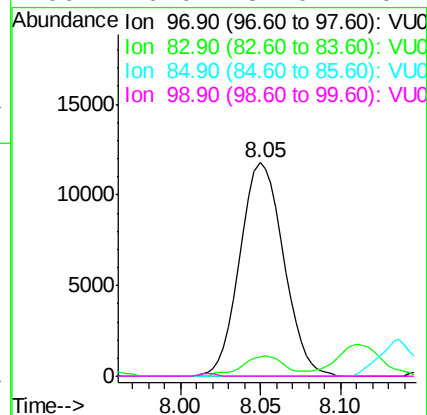
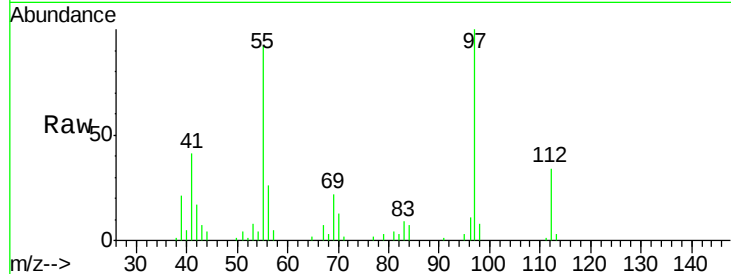




#55
 1,1,2-Trichloroethane
 Concen: 8.14 ug/l
 RT: 8.05 min Scan# 2320
 Delta R.T. -0.02 min
 Lab File: VU025297.D
 Acq: 10 Jul 2018 18:31

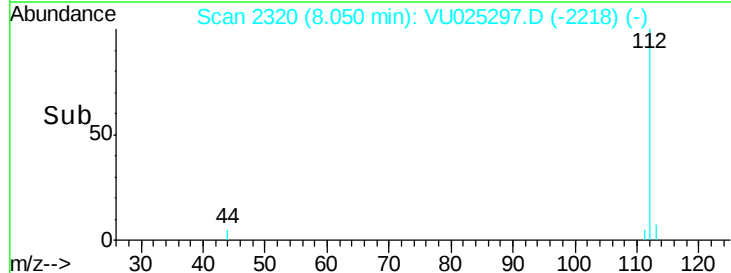
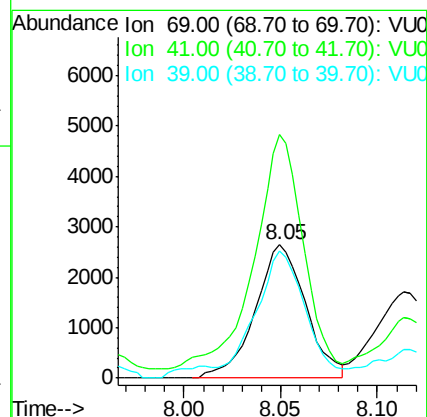
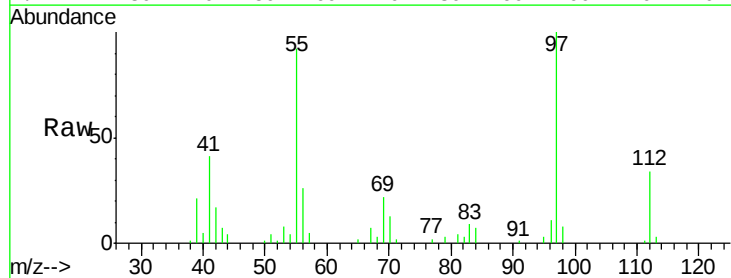
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW004-180704

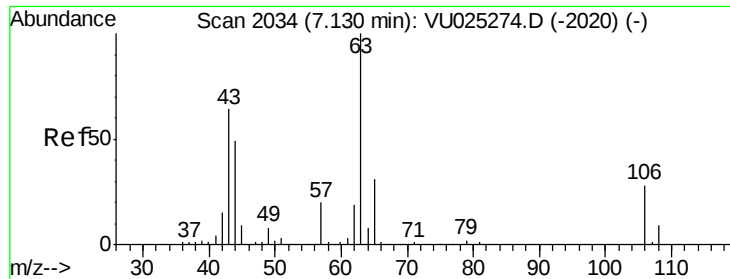
Tot Ion: 97 Resp: 22000
 Ion Ratio Lower Upper
 97 100
 83 8.9 68.9 103.3#
 85 0.0 44.4 66.6#
 99 0.0 51.0 76.4#



#56
 Ethyl methacrylate
 Concen: 1.13 ug/l
 RT: 8.05 min Scan# 2320
 Delta R.T. 0.03 min
 Lab File: VU025297.D
 Acq: 10 Jul 2018 18:31

Tgt Ion: 69 Resp: 4789
 Ion Ratio Lower Upper
 69 100
 41 168.2 54.8 82.2#
 39 89.2 31.1 46.7#

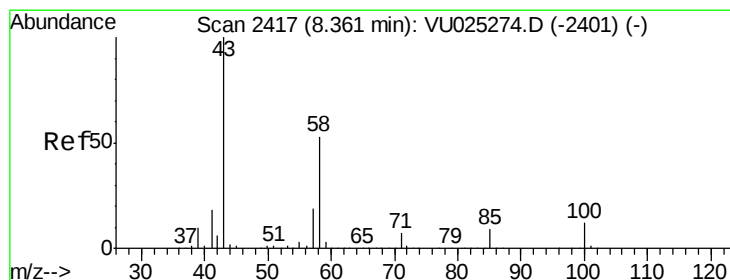
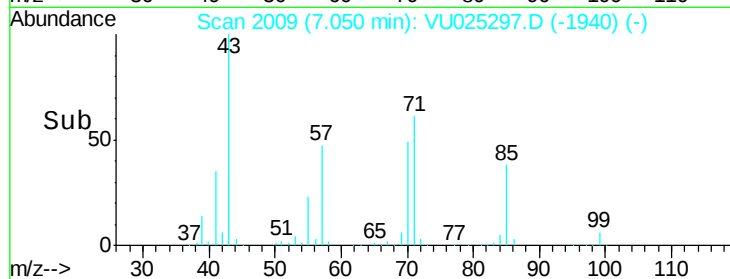
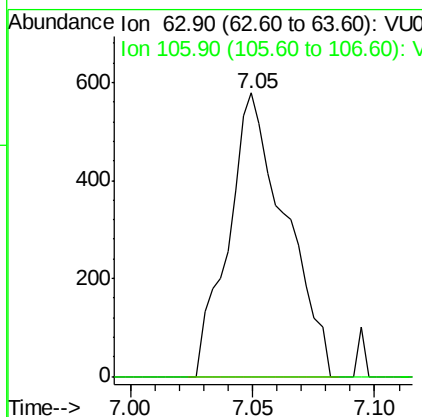
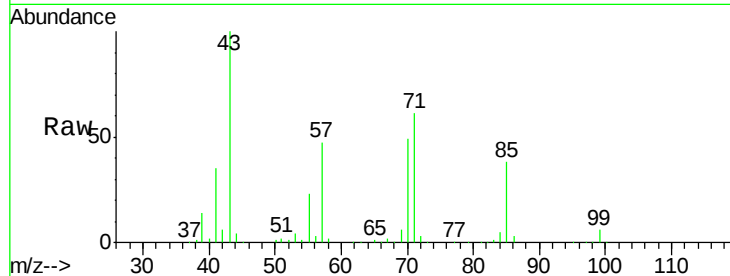




#58
 2-Chloroethyl Vinyl ether
 Concen: 11.58 ug/l
 RT: 7.05 min Scan# 2009
 Delta R.T. -0.08 min
 Lab File: VU025297.D
 Acq: 10 Jul 2018 18:31

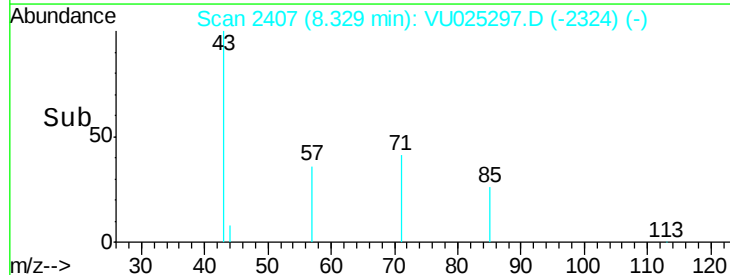
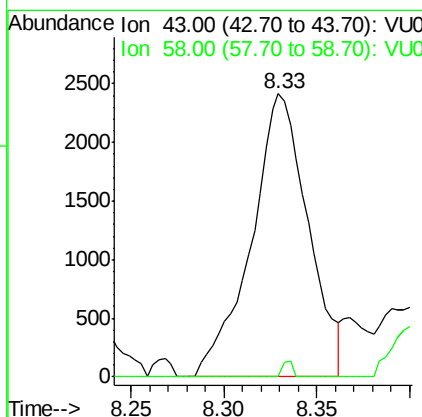
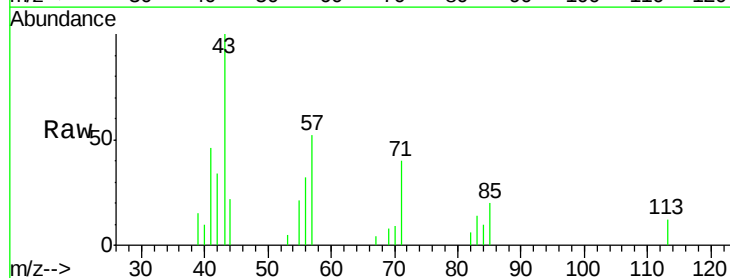
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW004-180704

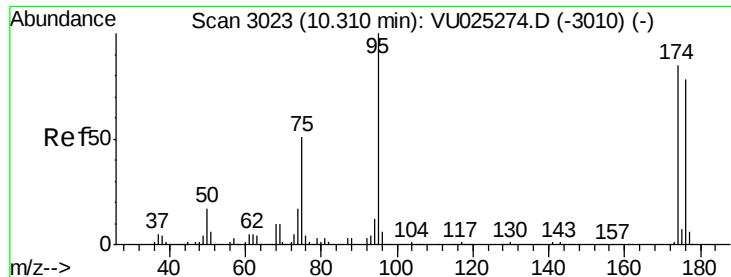
Tot Ion: 63 Resp: 938
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.3 33.5#



#59
 2-Hexanone
 Concen: 1.54 ug/l
 RT: 8.33 min Scan# 2407
 Delta R.T. -0.03 min
 Lab File: VU025297.D
 Acq: 10 Jul 2018 18:31

Tgt Ion: 43 Resp: 5128
 Ion Ratio Lower Upper
 43 100
 58 1.0 26.2 78.5#

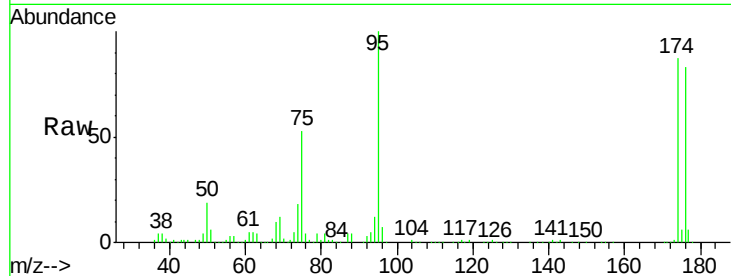




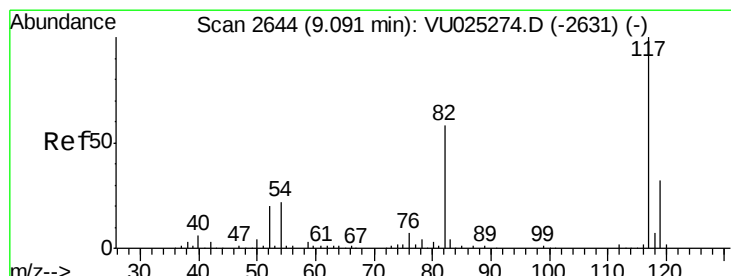
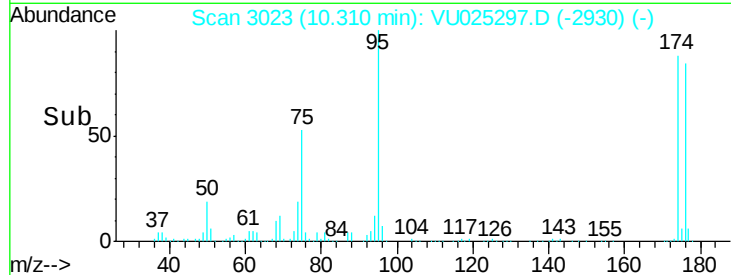
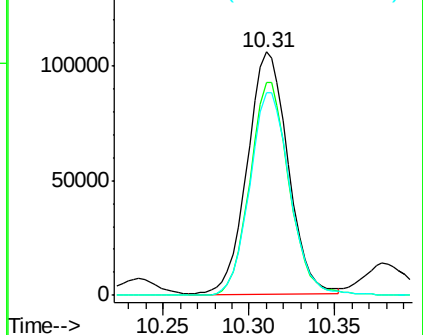
#62
4-Bromofluorobenzene
Concen: 46.79 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU025297.D
Acq: 10 Jul 2018 18:31

Instrument :
MSVOA_U
ClientSampleId :
SS038MW004-180704

Tot Ion: 95 Resp: 173297
Ion Ratio Lower Upper
95 100
174 84.7 0.0 172.2
176 82.8 0.0 162.6

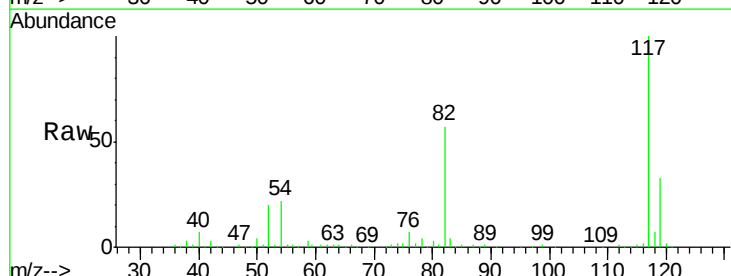


Abundance Ion 94.90 (94.60 to 95.60): VU025297.D (-2930) (-)
Ion 173.80 (173.50 to 174.50): VU025297.D (-2930) (-)
Ion 175.80 (175.50 to 176.50): VU025297.D (-2930) (-)

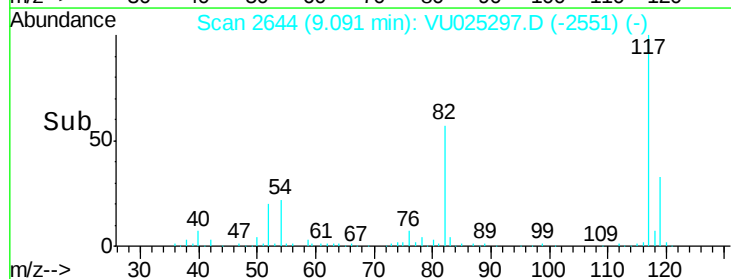
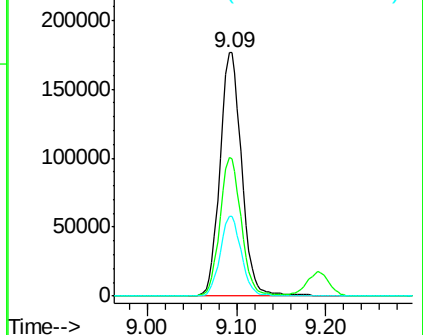


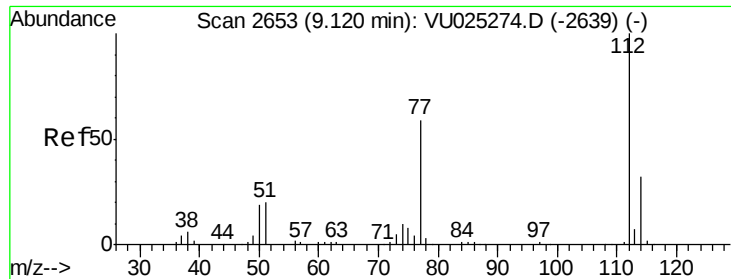
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VU025297.D
Acq: 10 Jul 2018 18:31

Tgt Ion: 117 Resp: 297984
Ion Ratio Lower Upper
117 100
82 56.6 46.0 69.0
119 32.5 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): VU025297.D (-2551) (-)
Ion 82.00 (81.70 to 82.70): VU025297.D (-2551) (-)
Ion 118.90 (118.60 to 119.60): VU025297.D (-2551) (-)

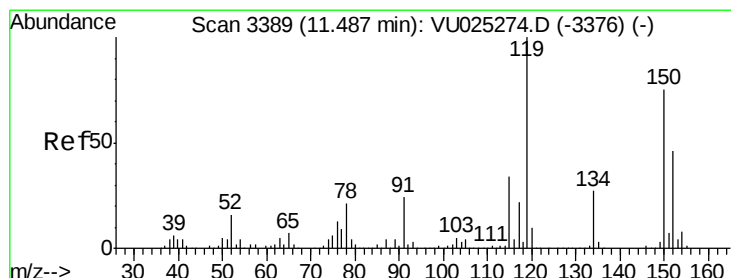
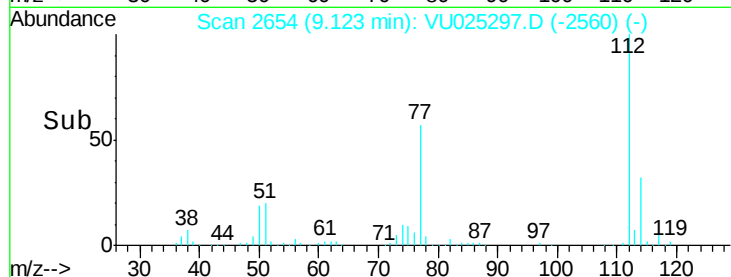
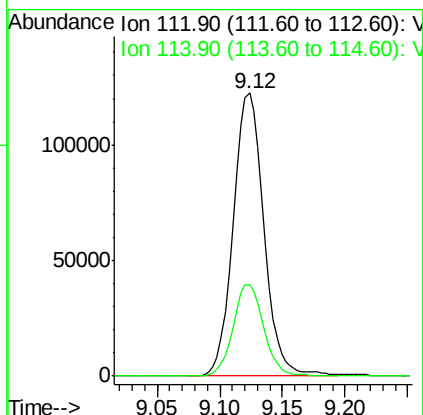
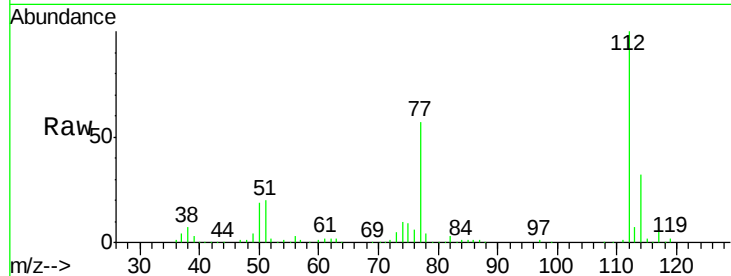




#65
Chlorobenzene
Concen: 28.00 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU025297.D
Acq: 10 Jul 2018 18:31

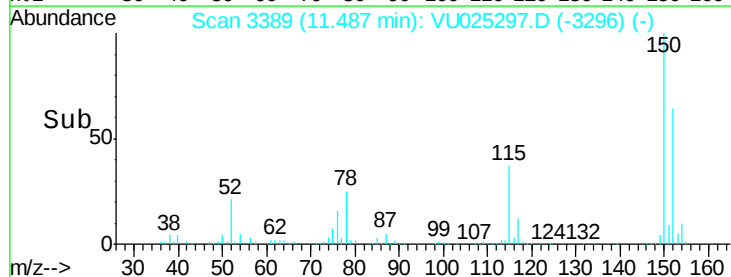
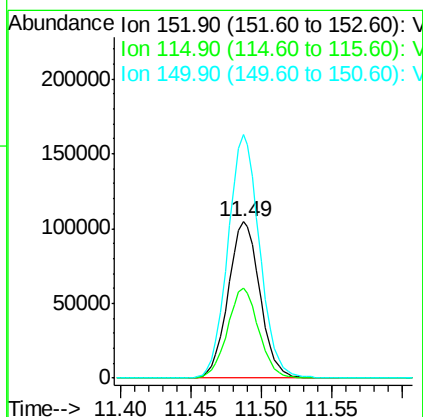
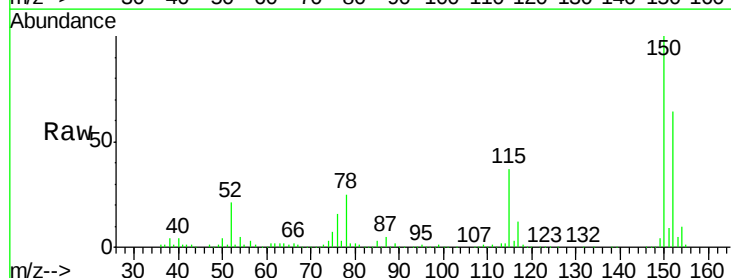
Instrument :
MSVOA_U
ClientSampleId :
SS038MW004-180704

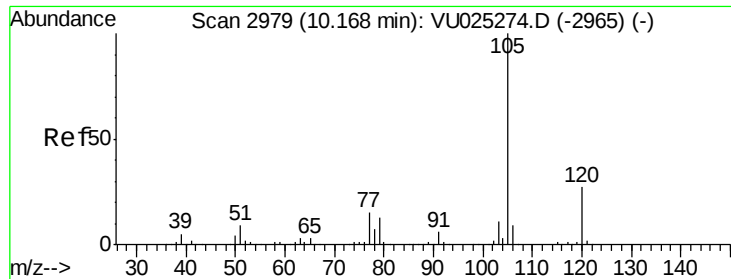
Tot Ion:112 Resp: 208410
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025297.D
Acq: 10 Jul 2018 18:31

Tgt Ion:152 Resp: 165051
Ion Ratio Lower Upper
152 100
115 56.9 40.1 120.3
150 155.3 0.0 351.4





#73

Isopropylbenzene

Concen: 3.22 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

Instrument:

MSVOA_U

ClientSampleId:

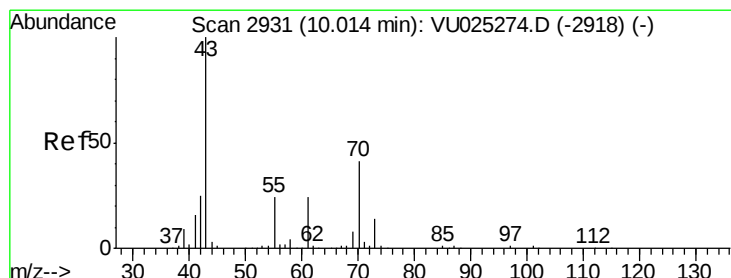
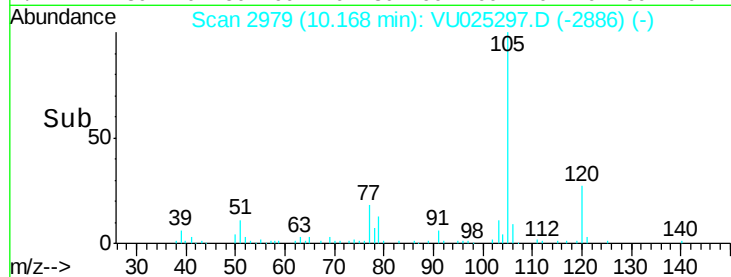
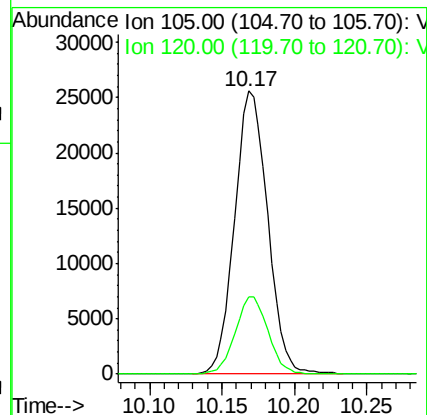
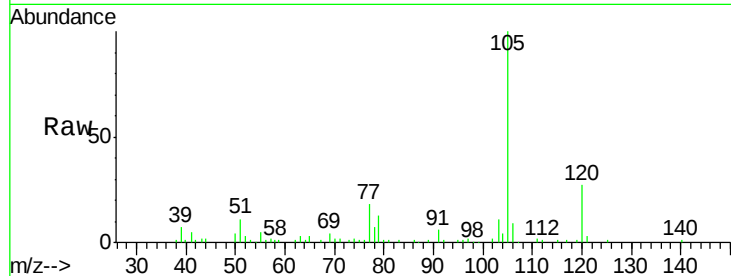
SS038MW004-180704

Tot Ion: 105 Resp: 40620

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.5



#74

N-ethyl acetate

Concen: 2.88 ug/l

RT: 10.07 min Scan# 2947

Delta R.T. 0.05 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

Tgt Ion: 43 Resp: 8561

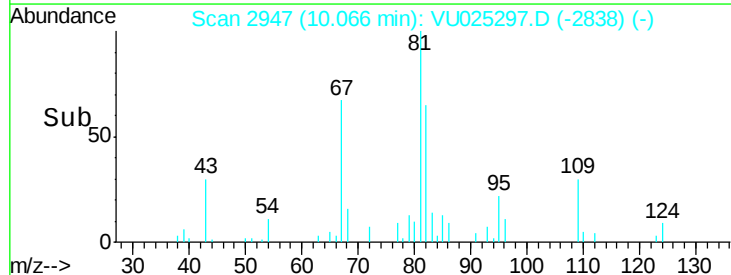
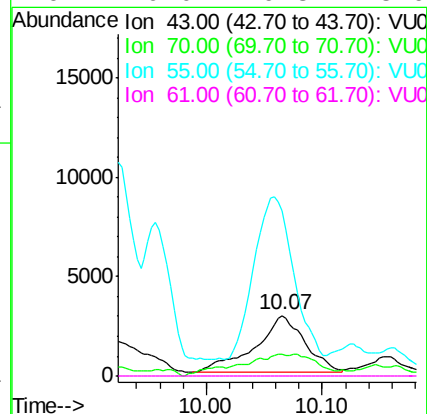
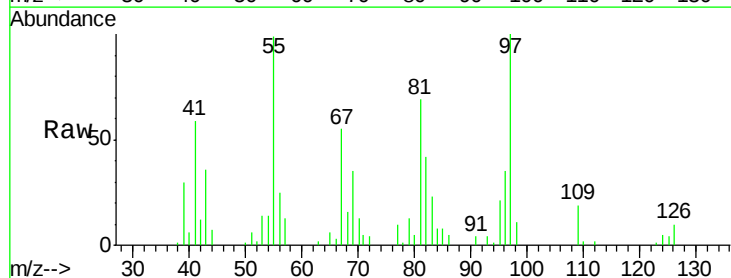
Ion Ratio Lower Upper

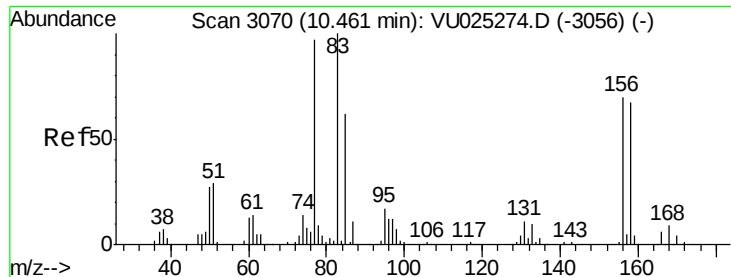
43 100

70 2.1 33.4 50.2#

55 244.2 19.0 28.6#

61 0.0 19.3 28.9#





#75

1,1,2,2-Tetrachloroethane

Concen: 2.10 ug/l

RT: 10.50 min Scan# 3081

Delta R.T. 0.04 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

SS038MW004-180704

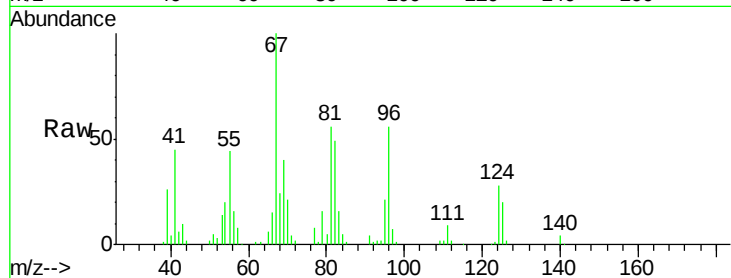
Tot Ion: 83 Resp: 8676

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.4#

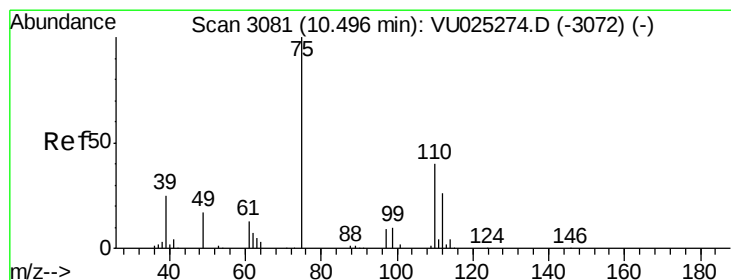
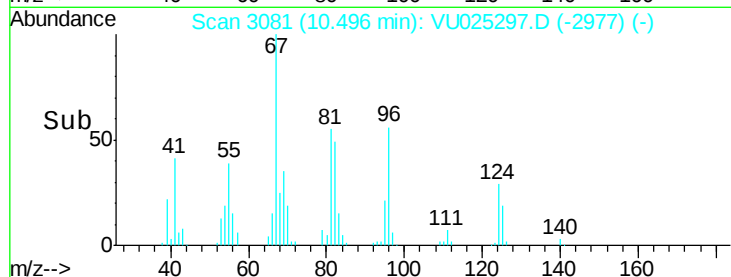
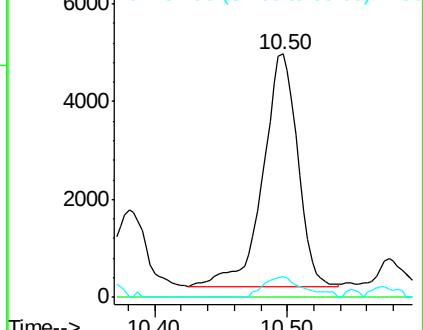
85 10.1 31.6 94.8#



Abundance Ion 82.90 (82.60 to 83.60): VU0

Ion 130.80 (130.50 to 131.50): VU0

Ion 84.90 (84.60 to 85.60): VU0



#76

1,2,3-Trichloropropane

Concen: 27.13 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025297.D

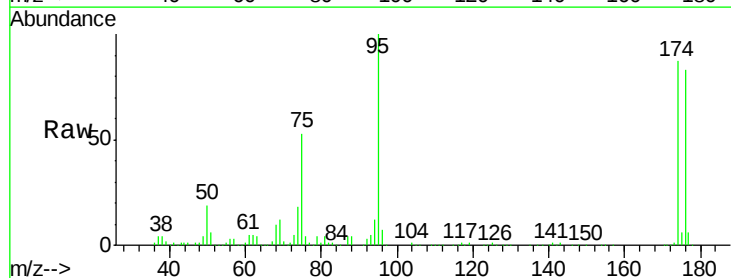
Acq: 10 Jul 2018 18:31

Tgt Ion: 75 Resp: 91038

Ion Ratio Lower Upper

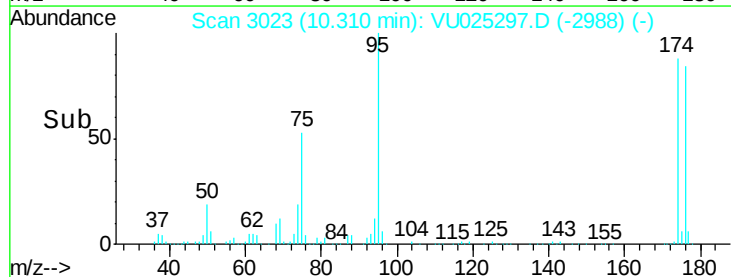
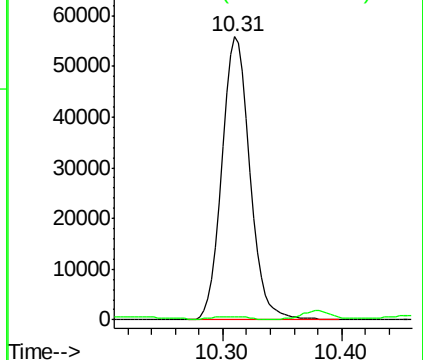
75 100

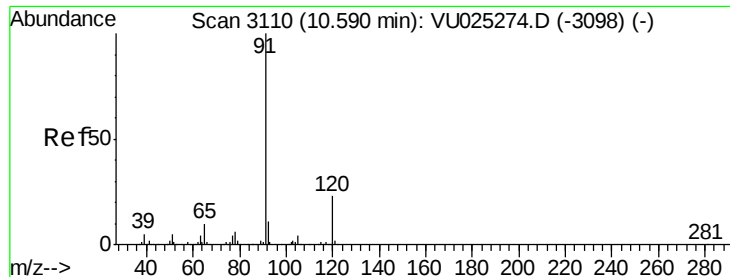
77 1.2 20.4 61.3#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#78

n-propylbenzene

Concen: 0.49 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

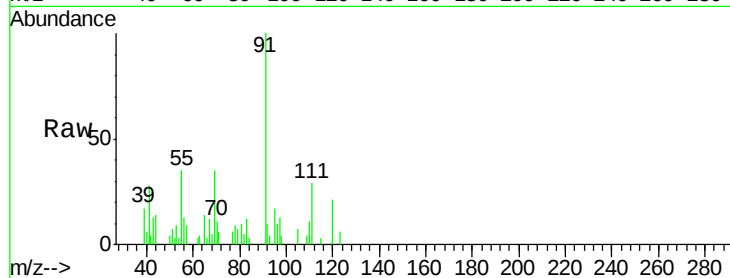
SS038MW004-180704

Tot Ion: 91 Resp: 6883

Ion Ratio Lower Upper

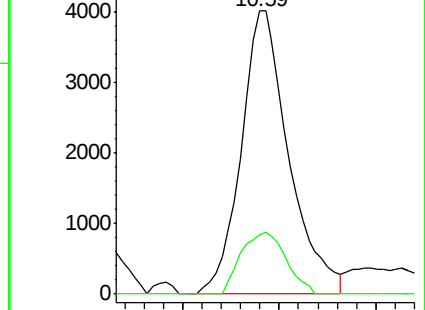
91 100

120 20.6 11.8 35.3

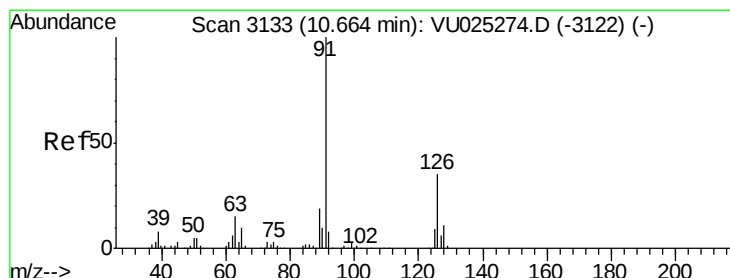
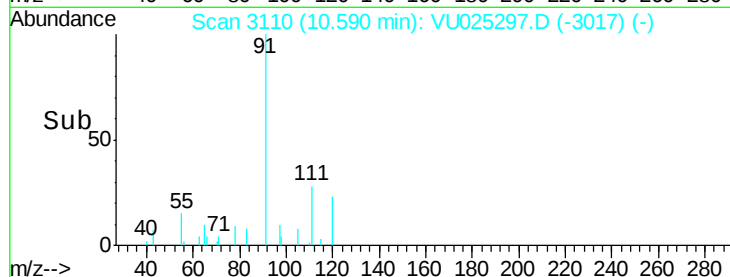


Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3098) (-)

Ion 120.00 (119.70 to 120.70): VU025274.D (-3098) (-)



Time-->



#79

2-Chlorotoluene

Concen: 0.45 ug/l

RT: 10.50 min Scan# 3082

Delta R.T. -0.16 min

Lab File: VU025297.D

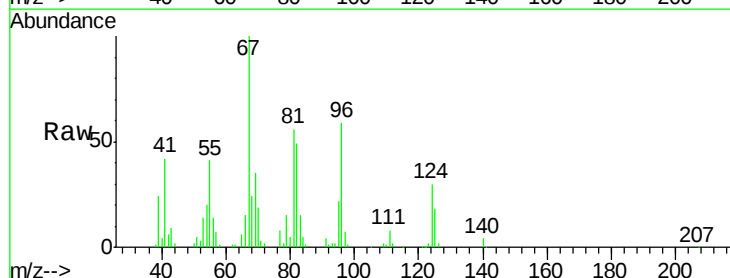
Acq: 10 Jul 2018 18:31

Tgt Ion: 91 Resp: 2499

Ion Ratio Lower Upper

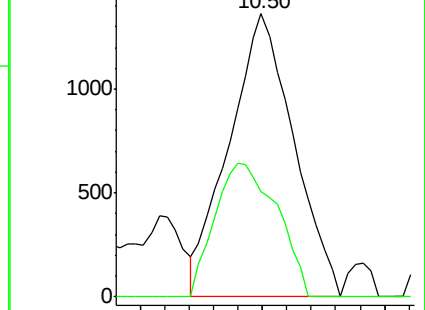
91 100

126 45.5 17.5 52.6

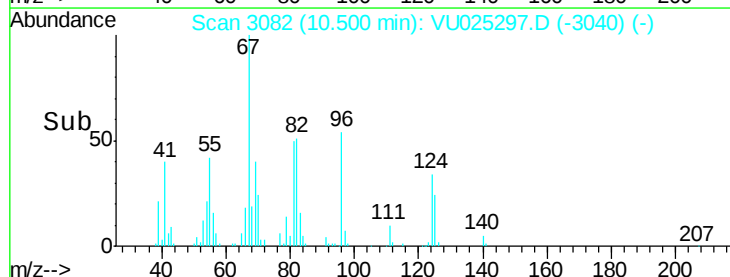


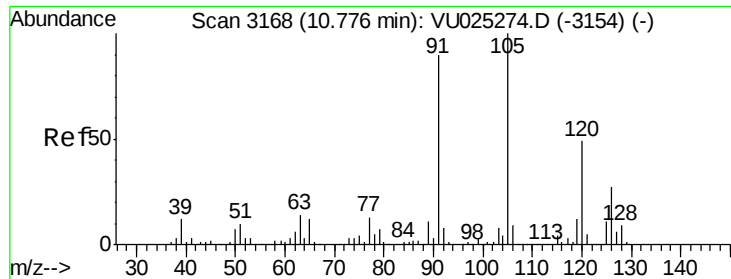
Abundance Ion 91.00 (90.70 to 91.70): VU025274.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU025274.D (-3122) (-)



Time-->

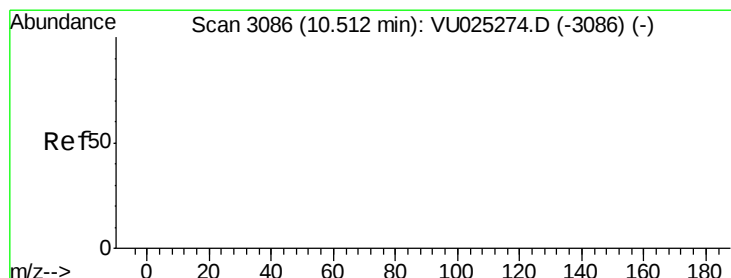
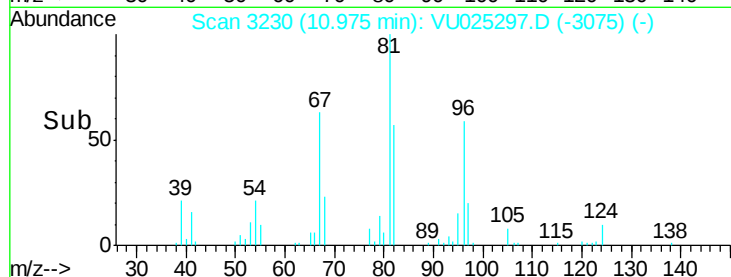
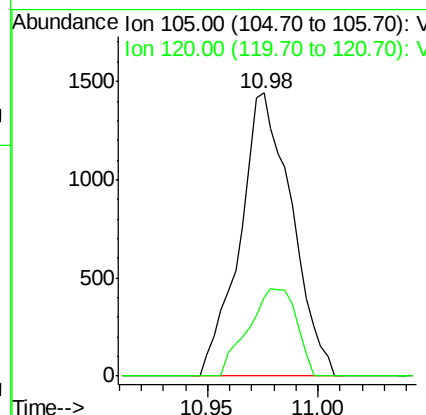
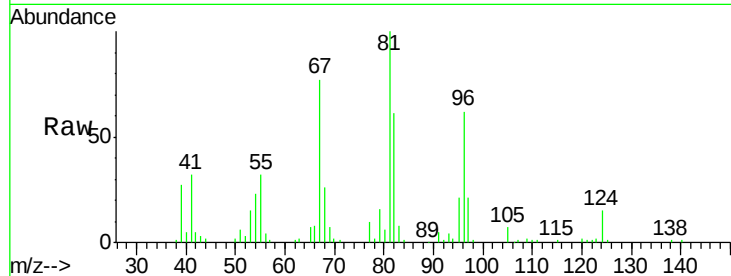




#80
 1,3,5-Trimethylbenzene
 Concen: 0.22 ug/l
 RT: 10.98 min Scan# 3230
 Delta R.T. 0.20 min
 Lab File: VU025297.D
 Acq: 10 Jul 2018 18:31

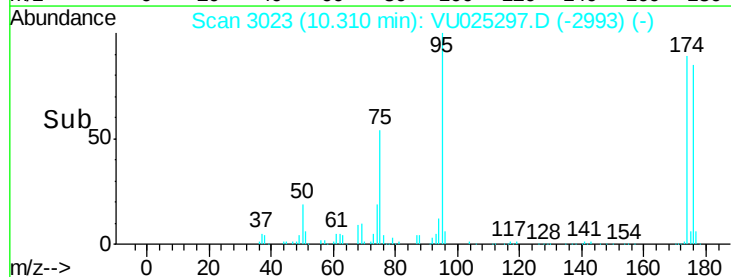
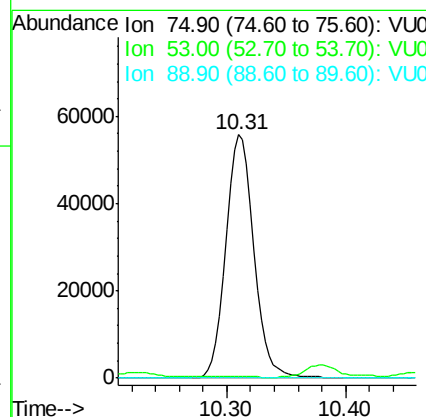
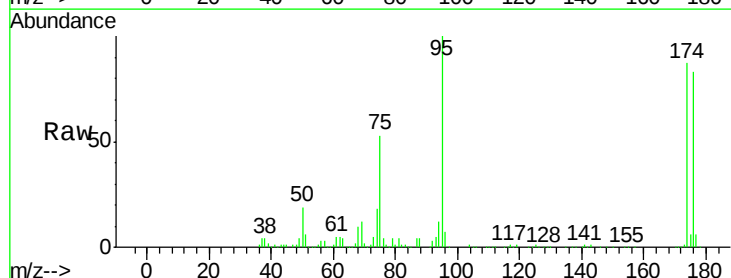
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW004-180704

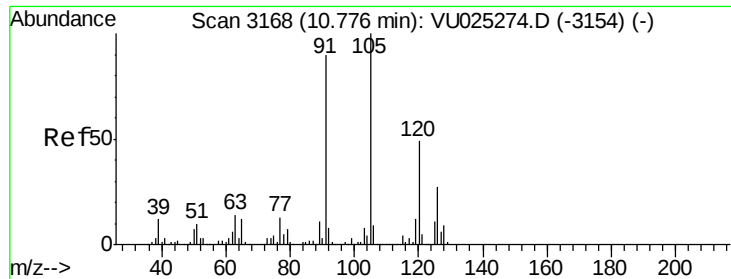
Tot Ion:105 Resp: 2349
 Ion Ratio Lower Upper
 105 100
 120 28.5 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.23 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU025297.D
 Acq: 10 Jul 2018 18:31

Tgt Ion: 75 Resp: 91038
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#82

4-Chlorotoluene

Concen: 0.22 ug/l

RT: 10.50 min Scan# 3082

Delta R.T. -0.28 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

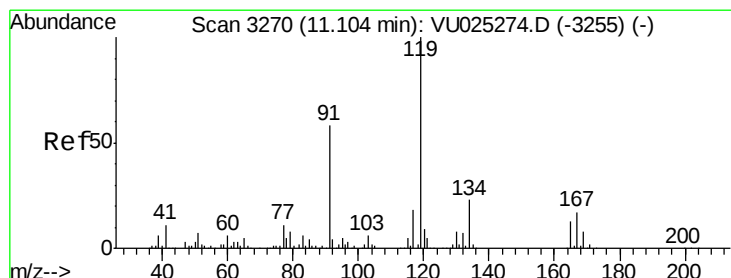
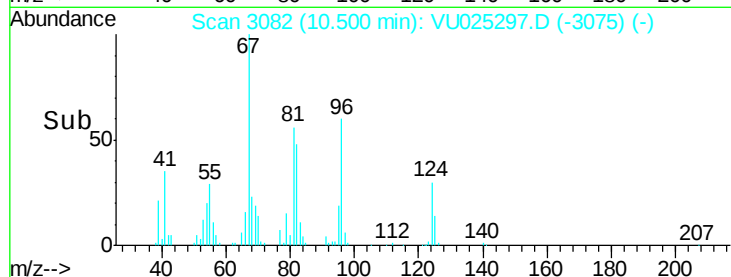
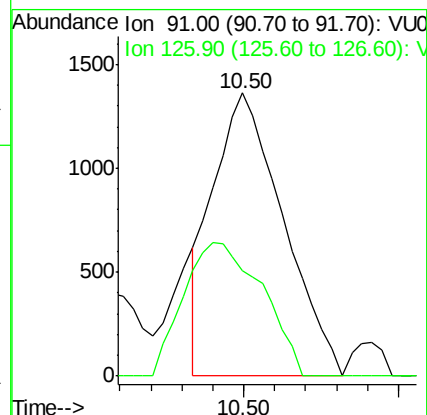
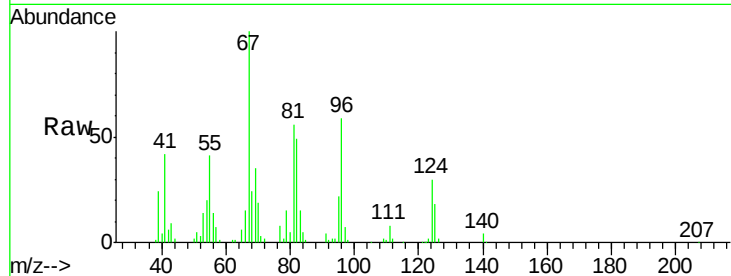
SS038MW004-180704

Tot Ion: 91 Resp: 2155

Ion Ratio Lower Upper

91 100

126 41.1 15.3 45.9



#83

tert-Butylbenzene

Concen: 8.27 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

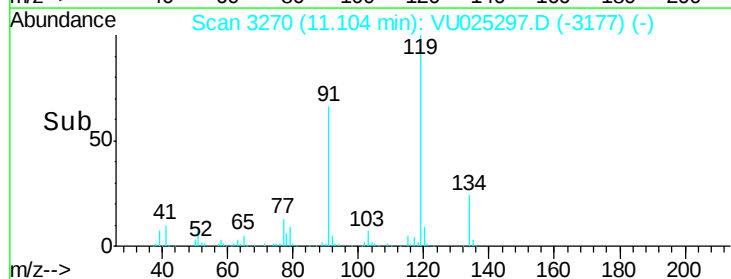
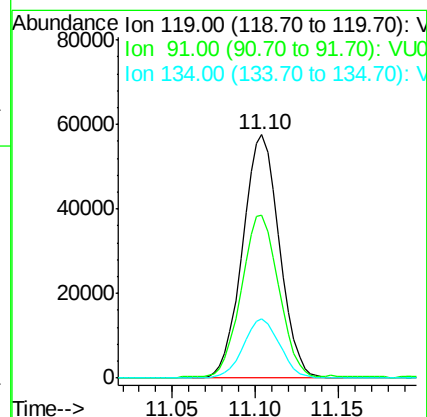
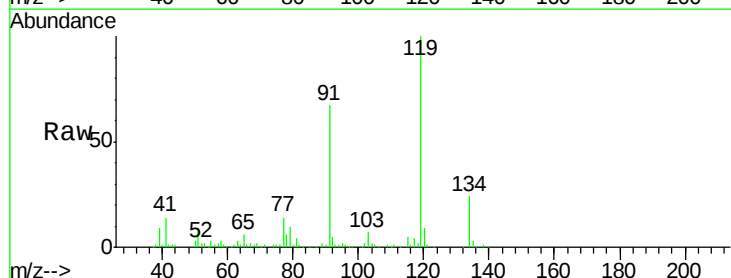
Tgt Ion: 119 Resp: 88629

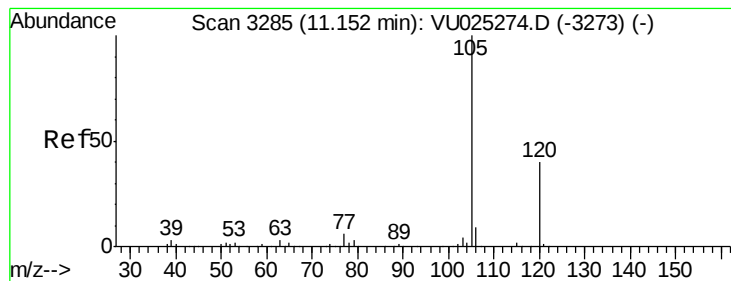
Ion Ratio Lower Upper

119 100

91 69.0 29.7 89.1

134 24.0 11.5 34.5





#84

1,2,4-Trimethylbenzene

Concen: 21.98 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.17 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

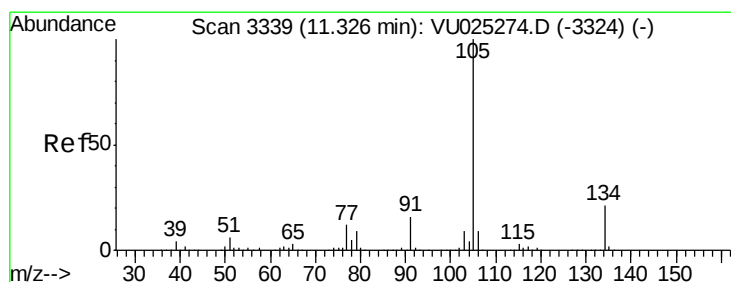
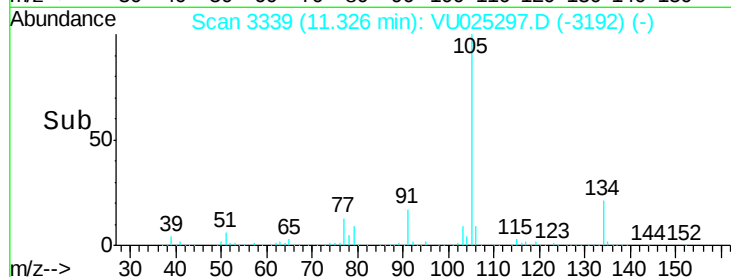
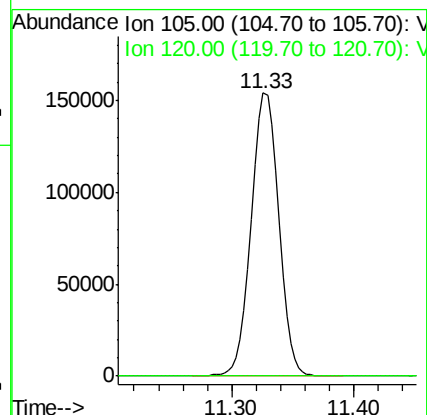
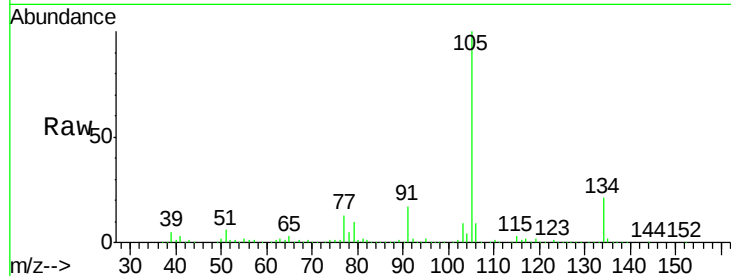
SS038MW004-180704

Tot Ion:105 Resp: 239029

Ion Ratio Lower Upper

105 100

120 0.1 22.3 66.8#



#85

sec-Butylbenzene

Concen: 18.93 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU025297.D

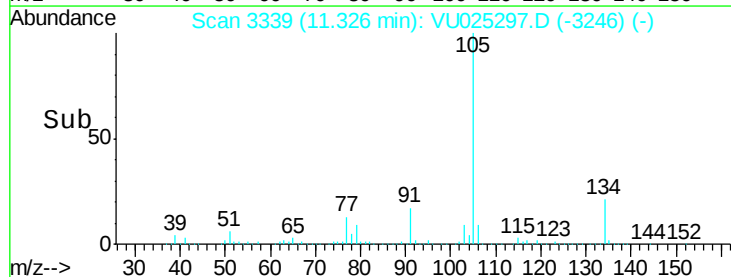
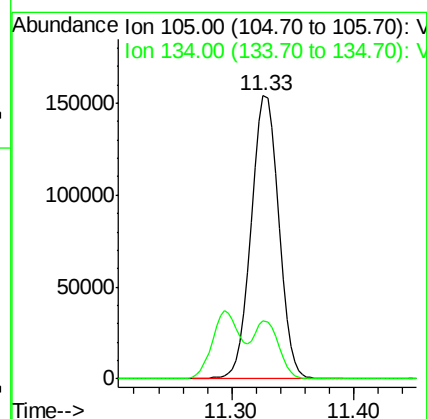
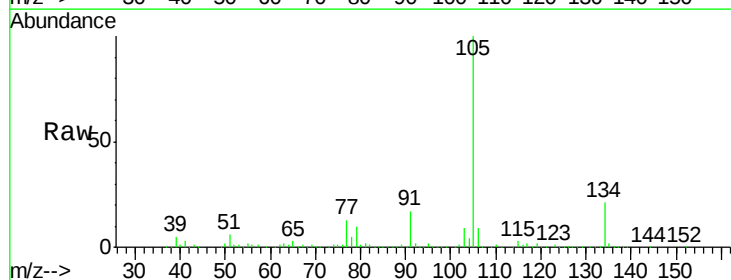
Acq: 10 Jul 2018 18:31

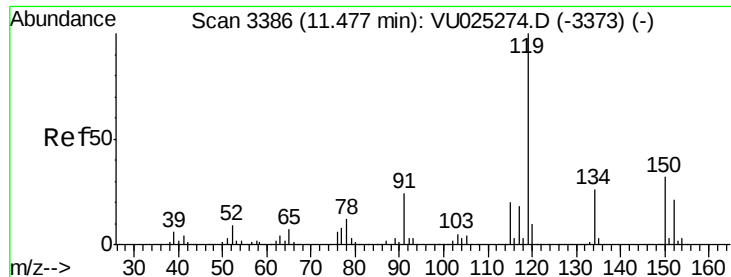
Tgt Ion:105 Resp: 239029

Ion Ratio Lower Upper

105 100

134 18.6 10.3 30.8

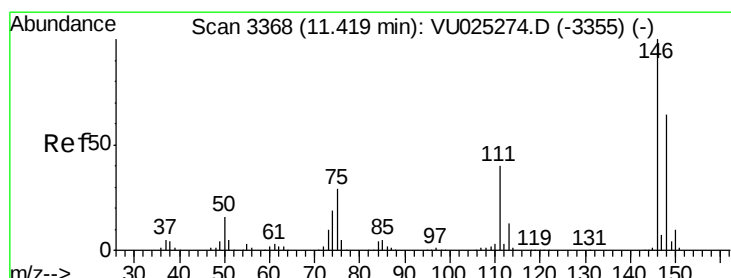
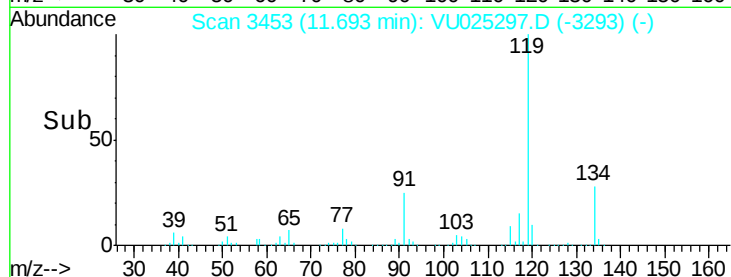
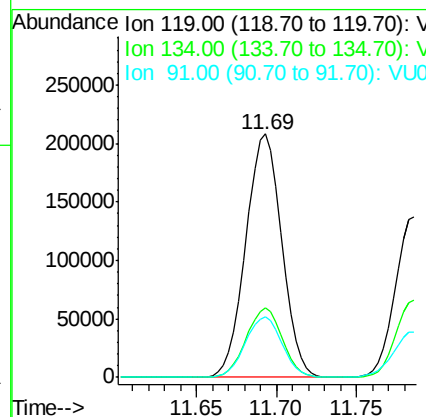
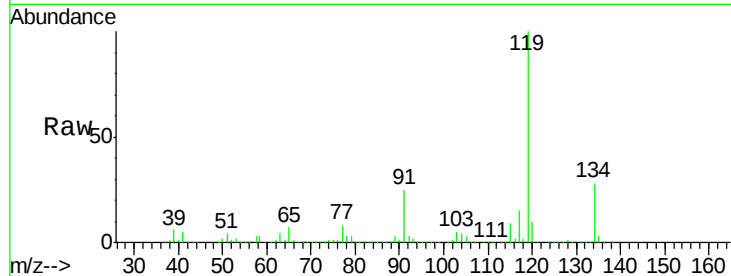




#86
 p-Isopropyltoluene
 Concen: 28.59 ug/l
 RT: 11.69 min Scan# 3453
 Delta R.T. 0.22 min
 Lab File: VU025297.D
 Acq: 10 Jul 2018 18:31

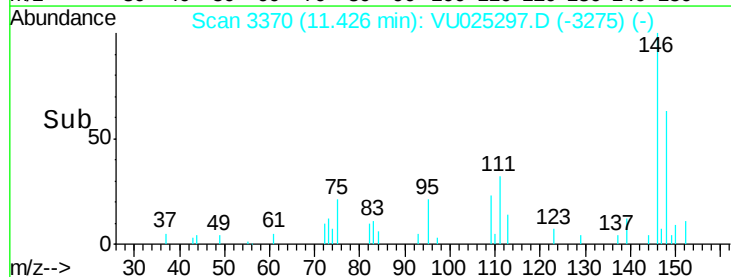
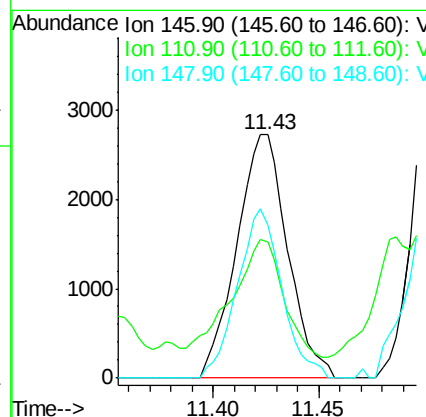
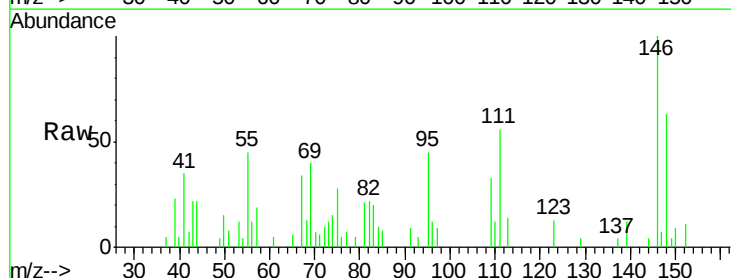
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW004-180704

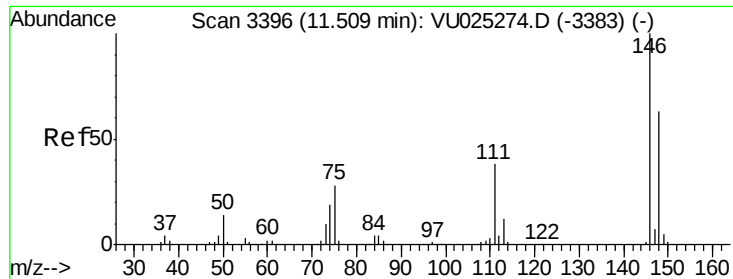
Tot Ion	Ratio	Lower	Upper
119	100		
134	28.5	13.2	39.5
91	25.2	12.0	36.1



#87
 1,3-Dichlorobenzene
 Concen: 0.77 ug/l
 RT: 11.43 min Scan# 3370
 Delta R.T. 0.01 min
 Lab File: VU025297.D
 Acq: 10 Jul 2018 18:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.5	19.7	59.1
148	60.6	32.1	96.3





#88

1,4-Dichlorobenzene

Concen: 3.16 ug/l

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

SS038MW004-180704

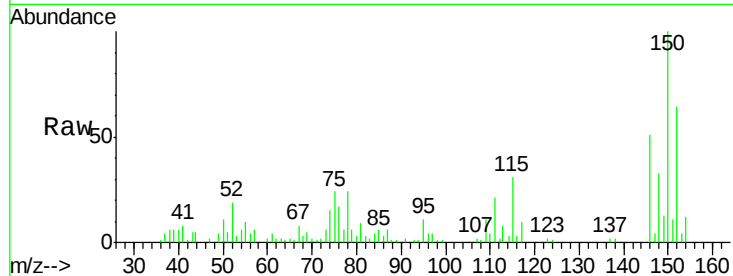
Tot Ion:146 Resp: 9948

Ion Ratio Lower Upper

146 100

111 40.1 19.4 58.1

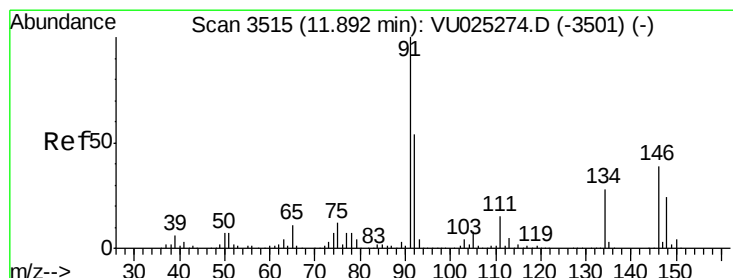
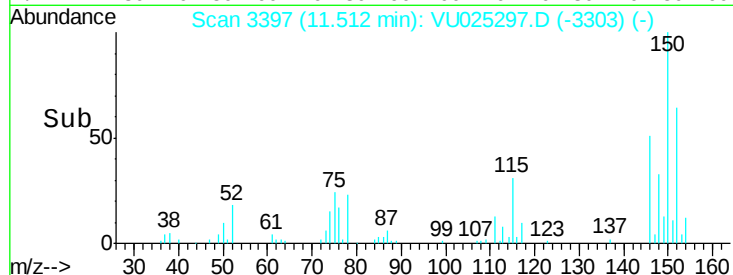
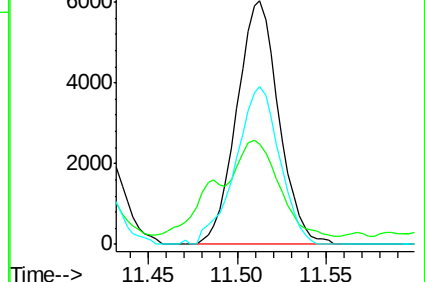
148 67.7 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 1.35 ug/l

RT: 11.87 min Scan# 3508

Delta R.T. -0.02 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

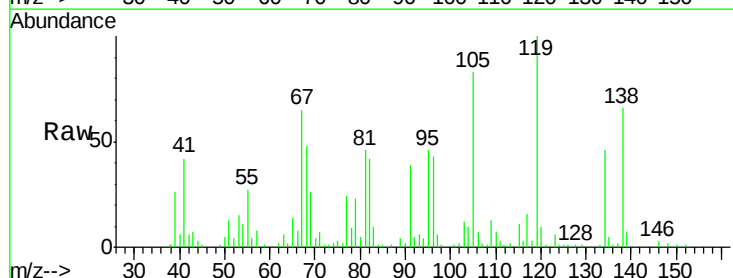
Tgt Ion: 91 Resp: 12365

Ion Ratio Lower Upper

91 100

92 0.0 26.5 79.5#

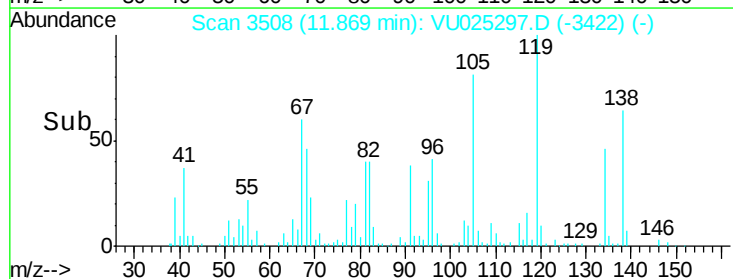
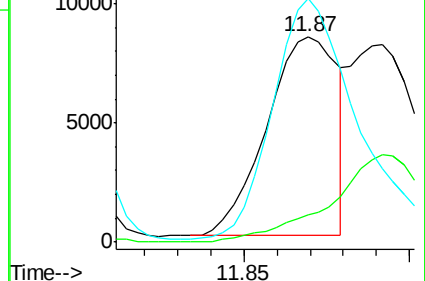
134 150.5 13.6 40.7#

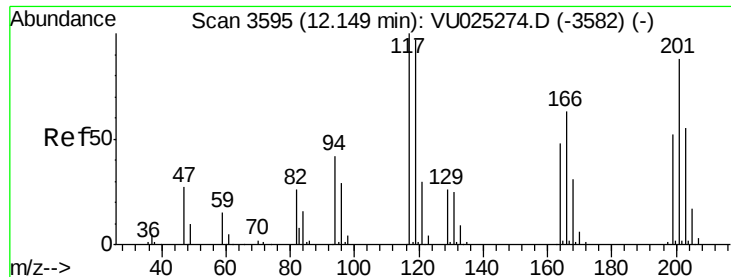


Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V

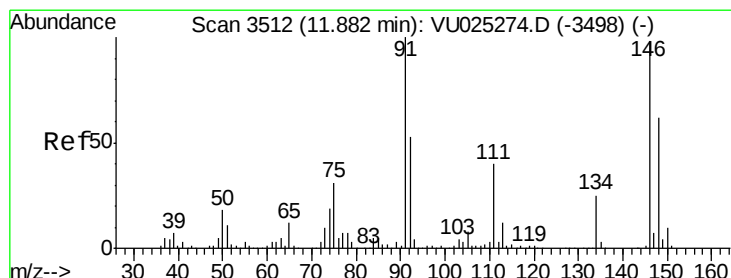
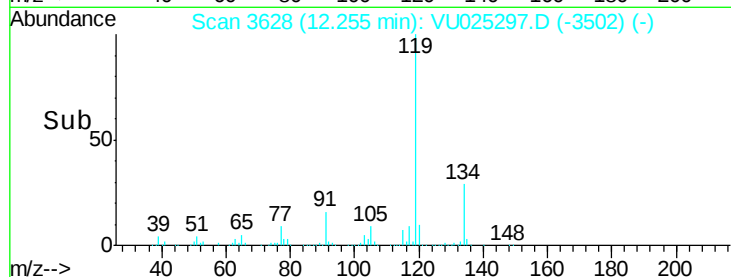
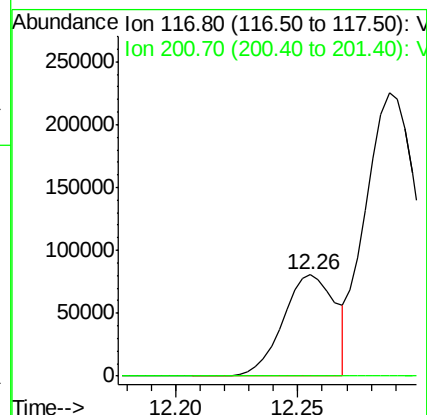
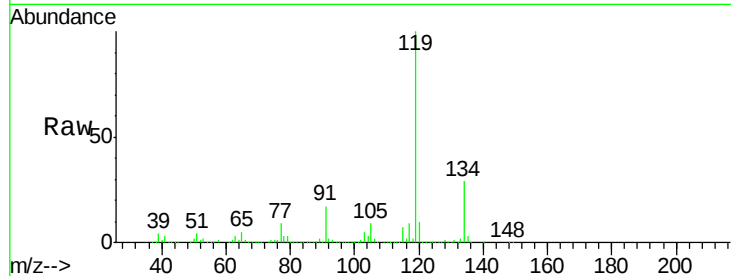




#90
Hexachloroethane
Concen: 64.00 ug/l
RT: 12.26 min Scan# 3628
Delta R.T. 0.11 min
Lab File: VU025297.D
Acq: 10 Jul 2018 18:31

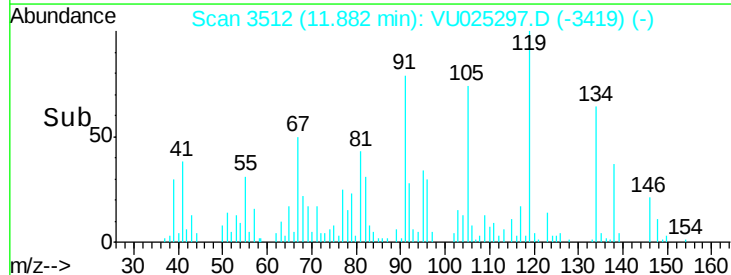
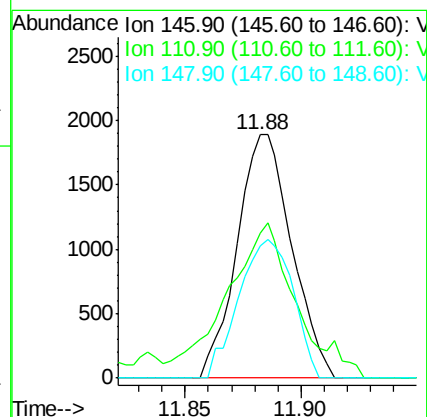
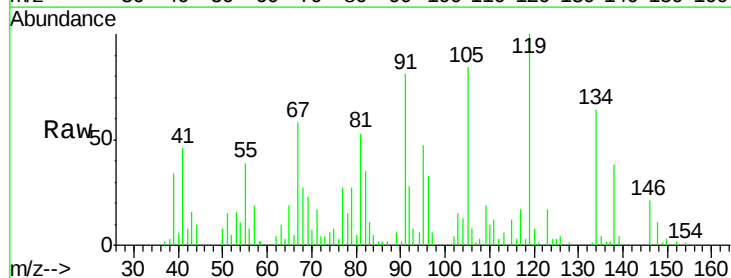
Instrument :
MSVOA_U
ClientSampleId :
SS038MW004-180704

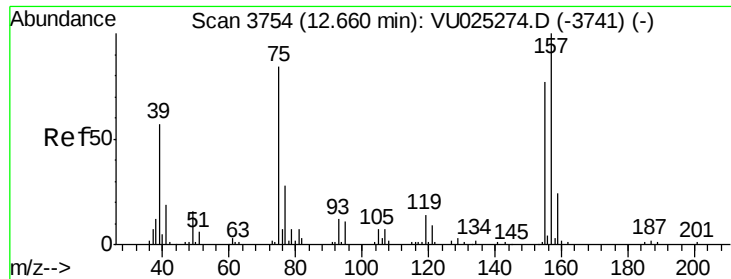
Tot Ion:117 Resp: 121154
Ion Ratio Lower Upper
117 100
201 0.0 42.5 127.6#



#91
1,2-Dichlorobenzene
Concen: 0.52 ug/l
RT: 11.88 min Scan# 3512
Delta R.T. 0.00 min
Lab File: VU025297.D
Acq: 10 Jul 2018 18:31

Tgt Ion:146 Resp: 3089
Ion Ratio Lower Upper
146 100
111 81.9 20.6 61.8#
148 56.3 31.5 94.5

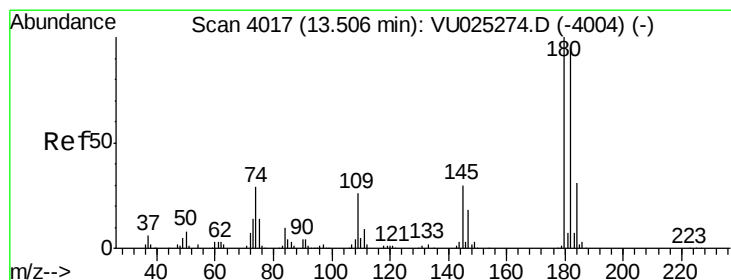
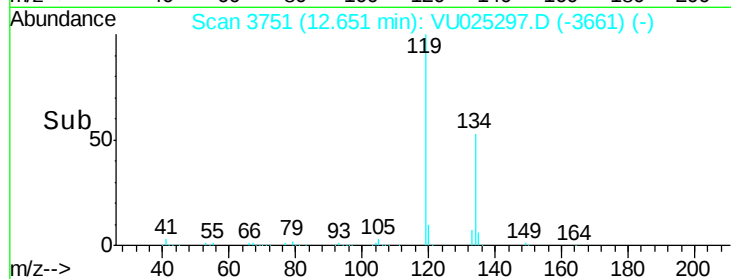
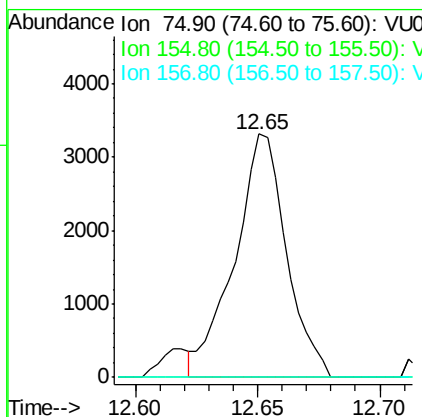
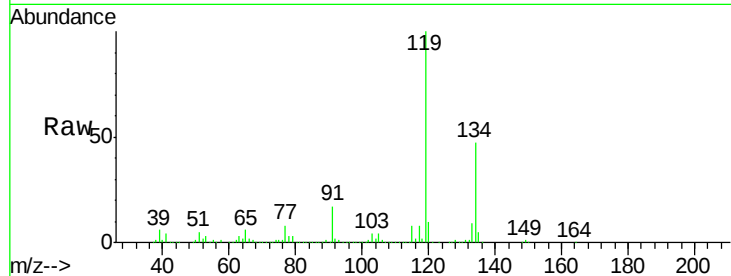




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.87 ug/l
 RT: 12.65 min Scan# 3751
 Delta R.T. -0.01 min
 Lab File: VU025297.D
 Acq: 10 Jul 2018 18:31

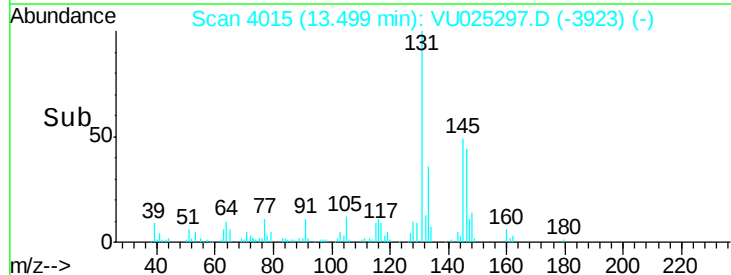
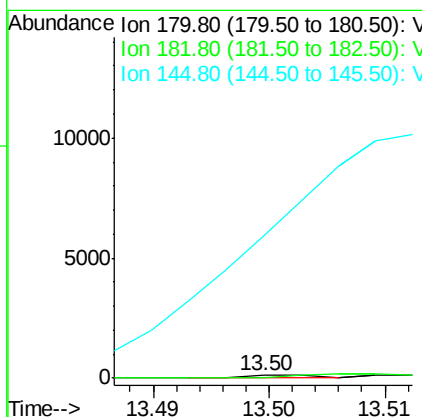
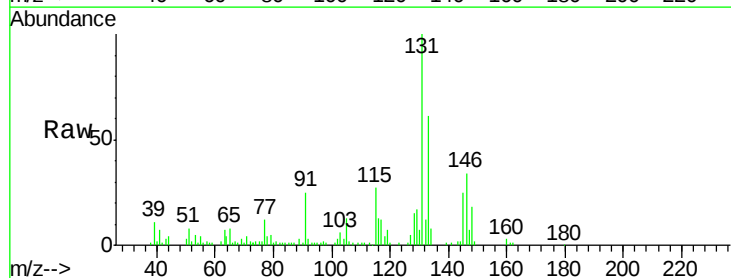
Instrument :
 MSVOA_U
 ClientSampleId :
 SS038MW004-180704

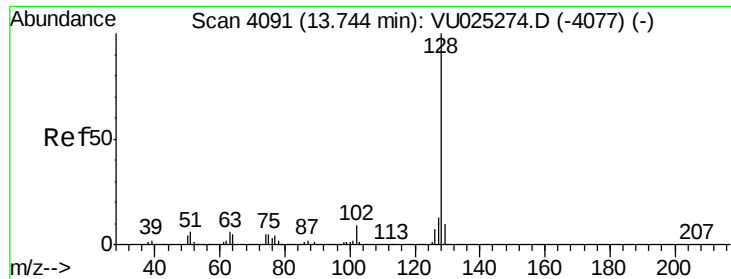
Tot Ion: 75 Resp: 4873
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.5 133.3#
 157 0.0 57.0 170.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.29 ug/l
 RT: 13.50 min Scan# 4015
 Delta R.T. -0.01 min
 Lab File: VU025297.D
 Acq: 10 Jul 2018 18:31

Tgt Ion: 180 Resp: 41
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 141.9#
 145 0.0 14.9 44.7#





#95

Naphthalene

Concen: 3.00 ug/l

RT: 13.73 min Scan# 4088

Delta R.T. -0.01 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

Instrument :

MSVOA_U

ClientSampleId :

SS038MW004-180704

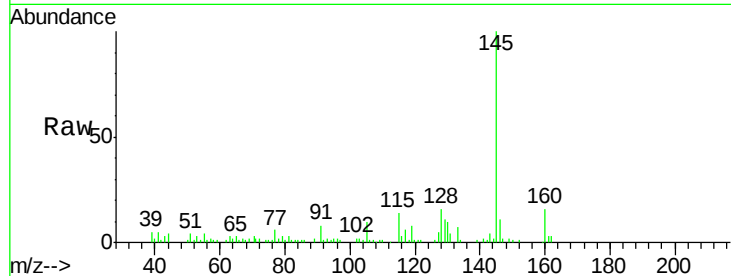
Tot Ion:128 Resp: 7511

Ion Ratio Lower Upper

128 100

127 31.7 10.5 15.7#

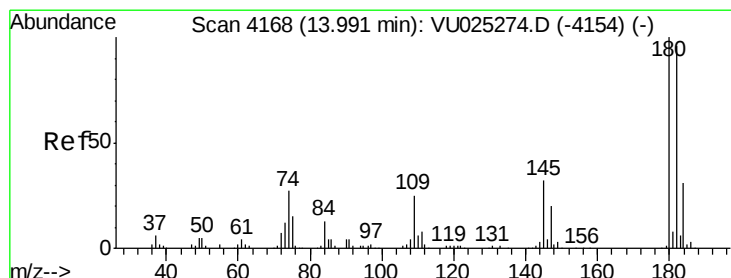
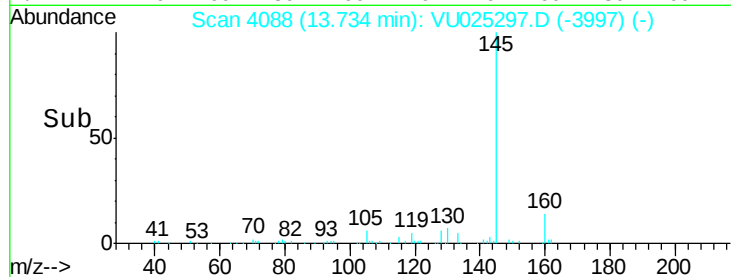
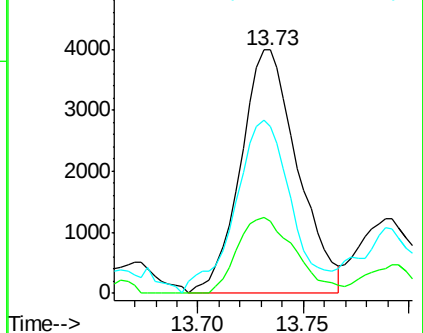
129 69.6 8.3 12.5#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.55 ug/l

RT: 14.00 min Scan# 4170

Delta R.T. 0.01 min

Lab File: VU025297.D

Acq: 10 Jul 2018 18:31

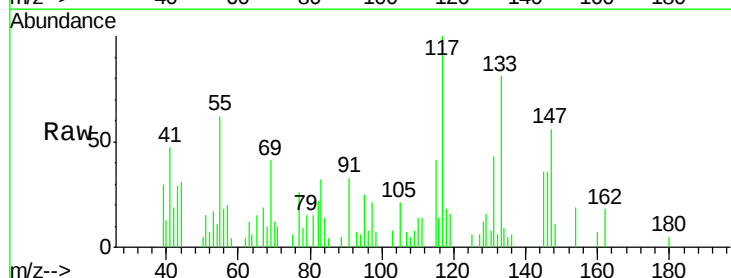
Tgt Ion:180 Resp: 94

Ion Ratio Lower Upper

180 100

182 109.6 47.8 143.3

145 0.0 15.6 46.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

